

20020823.qrp v02_n656.qrl.20020823

Date: Fri, 23 Aug 2002 19:03:08 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2656

QRP-L Digest 2656

Topics covered in this issue include:

- 1) [133079] Re: 6M "Monitor"
by Karl Kanalz <kkanalz@gcecispc.com>
- 2) [133080] Re: mobile question
by Rick McKee <kc8aon@juno.com>
- 3) [133081] Re: [133011] QRPp Spring 02 issue on the way, mailed yesterday
(Tuesday)
by Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
- 4) [133082] Re: Example of false looking e-mail address
by "Karl F. Larsen" <k5di@zianet.com>
- 5) [133083] QRP-L HUMOR: My Sierra (song parody)
by Paul Valko <w8kc@comcast.net>
- 6) [133084] [CONTEST] N2CQ QRP Contest Calendar, Aug 22-31
by "Ken Newman" <n2cq@dandy.net>
- 7) [133085] Portable paddle mounting idea
by Vance Huntsinger <vhuntsinger@iwiic.net>
- 8) [133086] Re: Hobby costs, ham mags, etc.
by na5n@zianet.com
- 9) [133087] Communications Quarterly absorbed into ARRL QEX magazine
by "Stuart Rohre" <rohre@arllut.utexas.edu>
- 10) [133088] Re: Specs on the new 897
by "Mike Yettsko" <myettsko@insydesw.com>
- 11) [133089] ur truffle 2nite
by "w5tb" <w5tb@arrrl.net>
- 12) [133090] Re: Varactor Diodes
by Jeff Hecht <jhecht@dnaco.net>
- 13) [133091] Crystal Filters
by "Byron Tatum" <bjtatum@ev1.net>
- 14) [133092] Re: FOX *Tonight* [g]
by Thomas Jennings <jennings@eznet.net>
- 15) [133093] RE: Crystal Filters
by Nick Kennedy <nkennedy@tcainternet.com>
- 16) [133094] Re: Sierra
by "Hugo W. Catta" <hugo@optonline.net>
- 17) [133095] FS: Couple of Items
by "Jason Hissong" <jhissong1@columbus.rr.com>
- 18) [133096] RE: Technical Articles v. "Adverteasing"
by Nick Kennedy <nkennedy@tcainternet.com>

- 19) [133097] Re: QRP-L HUMOR: My Sierra (song parody)
by Nelson Winter <thenels@go.com>
- 20) [133098] Re: Portable paddle mounting idea
by David Gauding <david.gauding@bbs.galilei.com>
- 21) [133099] FS:NorCal SMK-1 Kit
by "Bill Jones" <kd7s@psnw.com>
- 22) [133100] Fox Doc is loud...
by "Karl F. Larsen" <k5di@zianet.com>
- 23) [133101] Re: Sierra
by Fran Flynn <fflynn@adelphia.net>
- 24) [133102] Re: Fox Doc is loud...
by Chris Cartwright <ccart@phideaux.com>
- 25) [133103] Re: FS:NorCal SMK-1 Kit
by "Bill Jones" <kd7s@psnw.com>
- 26) [133104] Re: Fox Doc is loud...
by "Karl F. Larsen" <k5di@zianet.com>
- 27) [133105] FOXII
by "Jay Henson" <aj4ay@worldnet.att.net>
- 28) [133106] Re: FOXII
by Fred Lesnick <flesnick@tbaytel.net>
- 29) [133107] Re: Sierra
by Fran Flynn <fflynn@adelphia.net>
- 30) [133108] Re: Portable paddle mounting idea
by Vance Huntsinger <vhuntsinger@iwiic.net>
- 31) [133109] Magnifier Lamp...
by "Makai - Staniel Cay" <makai@makai.org>
- 32) [133110] FOX: Audio Clips...
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 33) [133111] FOX
by "Bill Walker" <wv7g@arrl.net>
- 34) [133112] FOX NØRC prelim report....
by "Rod NØRC" <rod@nØrc.us>
- 35) [133113] Ye Ol' 49er [Was Re: Example of false looking e-mail address]
by "Jerry McCollom" <w0mc@radioactivehams.com>
- 36) [133114] KØEVZ FOX Quick Report
by "Doc Lindsey KØEVZ" <dock0evz@earthlink.net>
- 37) [133115] Updating HOUND scores on web page
by Arthur Moe <kb7ww@easystreet.com>
- 38) [133116] Re: Ye Ol' 49er - Great Idea!!!!
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 39) [133117] Re: Hobby costs, etc.-long
by w4bws@juno.com
- 40) [133118] Re: QRP-L HUMOR: My Sierra (song parody)
by "Adam" <jabba@w3.to>
- 41) [133119] Re: Audio Clips...
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 42) [133120] Re: Crystal Filters
by "Leon Heller" <leon_heller@hotmail.com>

- 43) [133121] Help Please
by "Ian C. Purdie" <ianpurdie@integritynet.com.au>
- 44) [133122] Fox What happened?
by "Karl F. Larsen" <k5di@zianet.com>
- 45) [133123] Re: K0EVZ FOX Quick Report
by Thomas Jennings <jennings@eznet.net>
- 46) [133124] Re: Sierra
by "k8cv" <k8cv@netzero.net>
- 47) [133125] OT: FOX
by "k8cv" <k8cv@netzero.net>
- 48) [133126] BUBBA Sprint
by "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
- 49) [133127] Rain on the Rock-Mite parade
by "k8cv" <k8cv@netzero.net>
- 50) [133128] Re: Fox Doc is loud...
by W2AGN <w2agn@w2agn.net>
- 51) [133129] Re: Hobby costs, etc.-long
by David Hinerman <WD8CIV@worldnet.att.net>
- 52) [133130] Bubba-It's a PLOT!
by W2AGN <w2agn@w2agn.net>
- 53) [133131] Re: QRP DXCC Advice?
by Macstein@aol.com
- 54) [133132] Queue up for some Q: Core Talk
by Nick Kennedy <nkennedy@tcainternet.com>
- 55) [133133] RE: Queue up ... Or Not [OOPS]
by Nick Kennedy <nkennedy@tcainternet.com>
- 56) [133134] re: mobile question answer after a fashon
by Michael Babineau <michael.babineau@sympatico.ca>
- 57) [133135] I was moved to create this timeless work of Art
by Lloyd Lachow <llachow@yahoo.com>
- 58) [133136] Re: Sierra
by Ingo Meyer DK3RED <dk3red@gmx.net>
- 59) [133137] VE3WMB/VE9 Grand Manan Island Lighthouses QRP Special Event, Sept 1
to Sept 6
by Michael Babineau <michael.babineau@sympatico.ca>
- 60) [133138] Suggestions, Operating Portable with Laptop Computer outdoors?
by Michael Babineau <michael.babineau@sympatico.ca>
- 61) [133139] info age (Was:RE: Hobby costss, was: Interesting article and poll
(Let me tell you about the "good" old days))
by "Tracy Markham" <tracy@bytemark.com>
- 62) [133140] Re: VE3WMB/VE9 Grand Manan Island Lighthouses QRP Special
Event, Sept 1 to Sept 6
by Ed Tanton <n4xy@earthlink.net>
- 63) [133141] Re: Suggestions, Operating Portable with Laptop Computer
outdoors?
by David Hinerman <WD8CIV@worldnet.att.net>
- 64) [133142] BUBBA Results
by "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>

- 65) [133143] re: mobile question answer after a fashon
by "Charles Mabbott" <aa8vs@msn.com>
- 66) [133144] cleaning aluminum?
by Mark Prather <wb9hfk@yahoo.com>
- 67) [133145] Re: Technical Articles v. "Adverteasing"
by Bruce Muscolino <w6toy@erols.com>
- 68) [133146] RF Gain Control Con't
by "Karl F. Larsen" <k5di@zianet.com>
- 69) [133147] Re: RF Gain Control Con't
by W2AGN <w2agn@w2agn.net>
- 70) [133148] Re: cleaning aluminum?
by MIKE SOUHRADA <wb9iog@revealed.net>
- 71) [133149] Fw: cleaning aluminum?
by "k8cv" <k8cv@netzero.net>
- 72) [133150] Monitoring 6m - summary
by "Ian Wilson" <ianmwilson@earthlink.net>
- 73) [133151] Re: cleaning aluminum?
by Tim ORourke <TORourke@kaiserft.com>
- 74) [133152] Re: Rain on the Rock-Mite parade
by Tim ORourke <TORourke@kaiserft.com>
- 75) [133153] Re: Rock-mite: 20 Meter version from Alaska
by Jim Larsen - AL7FS <AL7FS@arrl.net>
- 76) [133154] Re: RF Gain Control Con't
by Thom LaCosta <baltimoreemd@baltimoreemd.com>
- 77) [133155] RF/IF Gain Control
by na5n@zianet.com
- 78) [133156] Ramsey QAMP Linear Amps??
by "James P. Rybak" <jrybak@mesastate.edu>
- 79) [133157] Re: cleaning aluminum?
by Arthur Moe <kb7ww@easystreet.com>
- 80) [133158] BUBBA web site?
by "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
- 81) [133159] FS: NIDA 440 function generator \$150 plus shipping
by cyr999@extremezone.com
- 82) [133160] Interesting email addresses
by Nils R Young <nilsbull@juno.com>
- 83) [133161] Re: RF/IF Gain Control
by W2AGN <w2agn@w2agn.net>
- 84) [133162] Can anyone/will anyone help,PLEASE
by IamSF5@aol.com
- 85) [133163] FS: Tektronix 465M osciloscope \$320 plus shipping
by cyr999@extremezone.com
- 86) [133164] Re: RF/IF Gain Control
by Chris Trask <ctrask@primenet.com>
- 87) [133165] Re: Monitoring 6m - summary
by Bill ROWLETT <kc4atu@yahoo.com>
- 88) [133166] BUBBA site = found it :-)
by "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>

- 89) [133167] Re: RF/IF Gain Control
by na5n@zianet.com
- 90) [133168] BUBBA url
by "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
- 91) [133169] RE: Interesting email addresses
by "Alverson, Tom" <TomA@xetron.com>
- 92) [133170] Re: RF/IF Gain Control
by Chris Trask <ctrask@primenet.com>
- 93) [133171] FOX: Log for Hunt 13 (N1FN)
by "Marshall Emm" <mgemm@mtechnologies.com>
- 94) [133172] RE: Dirk H.H. Spennemann 2000 (Warning! Virus!)
by Karl Kanalz <kkanalz@gcecispc.com>
- 95) [133173] Obsidian Rock Mite Photos
by Lew Paceley <lew@paceley.com>

Date: Thu, 22 Aug 2002 17:52:22 -0500
From: Karl Kanalz <kkanalz@gcecispc.com>
To: "'ianmwilson@earthlink.net'" <ianmwilson@earthlink.net>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [133079] Re: 6M "Monitor"
Message-ID: <01C24A05.E01D3E60@kkanalz>

Well, there's ONE thing you could use, Ian, that you might already have in your home:

YOUR TELEVISION SET!

Tune it to Channel 2 and connect it to a 6M antenna. Depending on where you live, you may or may not have an active station on Channel 2, but just turn down the volume and check out the "snow" on the screen from time-to-time. When six meters (metres?) "opens", you'll see a difference in the "snow level" on the screen, and maybe even a TV station from wherever.

If that's not acceptable to you, then perhaps a simple converter is in order, but if you're going to "monitor" 6M, you'll have to dedicate a receiver for the purpose. Some of the older ARRL Handbooks have some excellent 6M converters that are easy to build and use with ham-band receivers. CQ, "73" and Q-Street magazines have had, over the years, several 6M converters and receivers that will do a similar function.

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Ian Wilson [SMTP:ianmwilson@earthlink.net]

Sent: Thursday, August 22, 2002 4:01 PM
To: Low Power Amateur Radio Discussion
Subject: 6 meter front end?

I'd like to homebrew something simple to monitor 6 meters for it's once-a-lifetime bursts of activity (that's what it feels like around here, anyway). So far the only thing I've come across is a 50MHz converter from ON1DHT. Anything else out there?

Thanks

de ian, K3IMW/6

Date: Thu, 22 Aug 2002 19:04:07 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@lehigh.edu
Subject: [133080] Re: mobile question
Message-ID: <20020822.190832.8990.2.kc8aon@juno.com>

I use a 102" whip for 10 thru 40 meter coverage without a tuner ! I just built a loading coil with a movable tap for each band. On 10 meters, I just remove the coil. To make the coil, I use a section of 2'' pvc pipe long enough to wind 35 turns of 14 gauge solid copper wire spaced 1 wire width apart. Install a pvc pipe cap on each end, with a 3/8" X 24 thread brass or stainless steel bolt on the bottom one to screw into the mount, and a 3/8" by 24 thread antenna mount on the top one to except the whip. Attach a piece of wire to the bottom bolt with an aligator clip on the other end to connect to the coil at the "sweet spot" for each band. You can find the sweet spot using your old trusty antenna analyzer. You do have an antenna analyzer don't you ? The only disadvantage is that you must get out of the vehicle to change bands !

Rick McKee, KC8AON
Willow Wood, Ohio
QRP- do more with less !
QRP-L #2112, FPqrp #33, AR QRP #269

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<http://dl.www.juno.com/get/web/>.

Date: Thu, 22 Aug 2002 19:10:56 -0400 (EDT)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
To: ki6ds@dospalos.org
Cc: qrp-1@lehigh.edu
Subject: [133081] Re: [133011] QRPp Spring 02 issue on the way, mailed yesterday (Tuesday)
Message-ID: <200208222310.g7MNAu029973@panix1.panix.com>

I also received mine today- Oakland CA 94618.
73, doug

Date: Wed, 21 Aug 2002 22:32:12 -0700
From: "Doug Hendricks" <ki6ds@dospalos.org>

Mine arrived today. Of course I live in the same town as the originating post office. Enjoy the issue. 72, Doug

Date: Thu, 22 Aug 2002 17:27:29 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Dave Richards <wr3i@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [133082] Re: Example of false looking e-mail address
Message-ID: <Pine.LNX.4.44.0208221726500.1547-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Nope it's just fine. Check your viewer out.

On Thu, 22 Aug 2002, Dave Richards wrote:

> Karl,
> Check out the bottom of your stationary! I believe your LINUX is
> falling apart
> Dave
> WR3I
> At 10:26 AM 8/22/2002 -0600, Karl F. Larsen wrote:
> >On Thu, 22 Aug 2002, Thom LaCosta wrote:

Hello friends,

It's been awhile since I put finger to keyboard to come up with a QRP-L tune, so here's one based upon the "Sierra" thread we've seen in the past few days...

MY SIERRA

- with apologies to Doug Fieger, Berton Avarre, and The Knack

Ooh, my little pretty one, my pretty one
How d'ya figure Greenwich Mean Time, Sierra?
Ooh, you make me QLF, I'm QLF
Try to keep my paddle in line, Sierra

Never gonna go, QRT, just run QRP
I always get antennas up for to stop all the QSB
My, my, my, aye-aye, whoa!
M-m-m-my Sierra

Come a little closer, huh, a-will ya, huh?
Close enough to skip the grey line, Sierra
Keepin' it at QRP, it gets to me
Runnin' down the length of my wire, Sierra

Never gonna go, QRT, just run QRP
I always get antennas up for to stop all the QSB
My, my, my, aye-aye, whoa!
M-m-m-my Sierra

When you gonna give to me, DXCC
Is it just a matter of time, Sierra?
Is it d-d-destiny, d-destiny
Or is it a foxhunt in my mind, Sierra?

Never gonna go, QRT, just run QRP
I always get antennas up for to stop all the QSB
My, my, my, aye-aye, whoa!
M-m-m-my Sierra
M-m-m-m-m-m-m-my, my, my, aye-aye, whoa!
M-m-m-my Sierra
M-m-m-my Sierra
M-m-m-my Sierra
M-m-m-my Sierra

----- lead guitar -----

Ooooooooo-ohhh, my Sierra

Oooooooo-ohhh, my Sierra
Oooooooo-ohhh, my Sierra

73! =paul= W8KC
Collector of Ten*Tecs and Other Fine Plastics.
Visit the Virtual Ten*Tec Museum at <http://mywebpages.comcast.net/w8kc>

Date: Thu, 22 Aug 2002 19:35:38 -0400
From: "Ken Newman" <n2cq@dandy.net>
To: "W3BG" <W3BG@arrl.net>, "EPA-QRP Club" <EPA-QRP@yahoogroups.com>,
"NJ-QRP Club" <NJQRP@njqrp.org>,
Subject: [133084] [CONTEST] N2CQ QRP Contest Calendar, Aug 22-31
Message-ID: <001301c24a34\$a0894260\$ce9efa42@18.95.182.twsn1.md.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

~~~~~  
N2CQ QRP CONTEST CALENDAR

August 22-31, 2002

~~~~~  
Summer Fox Hunts - 20 M CW QRP - Fri 0200z

(Thursday Evenings US Local Time)

Details: <http://www.cqc.org/fox/index.htm>

=====

Truffle Hunt 30 minutes before the Fox Hunt

Details: <http://fpqrp.com/struffle.html>
~~~~~

Hawaii QSO Party (CW/SSB/Digital) ... QRP Category

Aug 24 - 0700z to Aug 25 - 2200z

Rules: [http://www.pilikia.net/karc/hi\\_qso\\_party.html](http://www.pilikia.net/karc/hi_qso_party.html)

"Best Chances for QRP QSO to KH6"

~~~~~

TOEC WW Grid Contest (CW) ... <100W category

Aug 24 - 1200z to Aug 25 - 1200z

Rules: <http://www.qsl.net/toec/contest.htm>

"Boost the interest on grid hunting on the HF bands"

~~~~~

Ohio QSO Party (CW/SSB) ... QRP Category

Aug 24 - 1600z to Aug 25 - 0400z

Rules: <http://www.mrrc.net/oqprules/>

"Work OH Counties"

~~~~~

BUBBA Summer QRP Sprint *** QRP CONTEST! ***

Aug 24 - 1800z to 2200z

Rules: <http://www.extremezone.com/~nk7m/>

"BURN YOUR B___ OFF "

~~~~~

Colorado QRP Club - Summer QSO Party (SSB/CW) \*\*\* QRP CONTEST! \*\*\*

Aug 25 - 1800z to 2359z

Rules: <http://www.cqc.org/contests/summer02.htm>

"Single Band, Multi-band & Portable Categories"

~~~~~  
YO DX HF Contest (CW/SSB)

Aug 31 - 1200z to Sep 1 - 1200z

Rules: http://www.qsl.net/yo3kaa/contests/yodx_eng.htm

"Work Any DX"

~~~~~

Thanks to SM3CER, WA7BNM, ARRL and others  
for assistance in compiling this calendar.

Please foreward the contest info you sponsor to N2CQ@ARRL.NET and  
we will post it and give it more publicity.

Anyone may use this "N2CQ QRP Contest Calendar" for your website,  
newsletter, e-mail list or other media as you choose.

(Include a credit to the source of this material of course.)

\*\*\*\* QRP Contest Calendar \*\*\*\*

<http://www.njqrp.org/data/contesting.html>

<http://www.n3epa.org/Pages/Contest/contest.htm>

72 de

Ken Newman - N2CQ

N2CQ@ARRL.NET

-----  
Date: Thu, 22 Aug 2002 18:35:41 -0500

From: Vance Huntsinger <vhuntsinger@iwic.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Cc: <elecrafft@mailman.qth.net>

Subject: [133085] Portable paddle mounting idea

Message-ID: <4.2.0.58.20020822173620.00a53d10@mail.iwic.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

I received my Doug Hauff Porta-Paddle last week--what a nice little key. I  
always find it somewhat of a challenge to mount a key for field use. Doug  
will be coming out with various mounting accessories, but I mounted mine on  
a plastic clipboard. The clipboard I chose is made by Kokuyo, a Japanese

firm. It is translucent plastic, lightweight but sturdy, and (this is important) has the clip (smooth plastic, low profile, better for slipping into a pack) on the upper left corner of the board. This allowed me to fasten a small legal pad, the 5" x 8" variety, on the upper left corner, leaving room for the key near the top and just to the right of center. I have room to rest my hand and wrist on the board, next to the pad of paper, where I can jot essential info. There is even a little plastic clip on the board, meant to hold a pencil, but it works well as a routing path for the key cable. The board and paddle assembly can easily be held on the lap while operating, acting as a small table. This idea should work for many portable paddles and keys; unfortunately, however, it probably wouldn't adapt well to the needs of a leftie.

I haven't had the chance to use this system in the field yet, but I did make a QSO using it, just to try out the Porta-Paddle. It works great, with very smooth action. Being able to rest my wrist on the board prevents considerable fatigue. This idea might be an old one, but it was new to me!

Vance Huntsinger--WA9YDJ  
K2 #1145

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Date: Fri, 23 Aug 2002 00:22:19 GMT  
From: na5n@zianet.com  
To: qrp-l@lehigh.edu  
Subject: [133086] Re: Hobby costs, ham mags, etc.  
Message-ID: <20020823002219.27827.qmail@zianet.com>  
Mime-version: 1.0  
Content-type: text/plain; charset="us-ascii"

Gang,  
I find the various opinions on our hobby today quite interesting, especially those who feel it is difficult or expensive to engage in ham radio. I think it is cheaper than ever to "get on the air" on HF.

In 1968, I had just graduated from a WW2 surplus ARC-5 to a Heathkit DX-40. I think I paid about \$100 for the kit. Minimum wage was \$1.05 in those days, so \$100 was a LOT of money. I was making \$2 an hour at a radio station (KPUB Pueblo, CO and later KOMA Okla. City) with my 1st Phone FCC. The "cat's meow" back then was a Collins S-line, \$800-1000. The Heathkit SB-101 clone was about \$350 I think. That year, I had just bought a brand new 1968 fastback Mustang for a bit less than \$4,000. I know family income then was less than \$10,000 a year. So a \$350 Heathkit, or a \$1000 Collins S-line to get on the air "properly" in those days was a HUGE chunk of one's annual wages. Heck, a fourth the cost of a car. Average cost of a house was around \$20-25K. I hate to think what a Collins S-Line would cost in today's money!

When I got out of the Navy in 1977, I bought my first ever brand new ham rig ... a Ten Tec Triton IV. Fully loaded with 20A power supply was \$1100-1200. A significant investment. I just bought a brand new 3BR brick house as well for about \$40K. \$10,000 bought a heck of a fancy car. Average family income was a bit over \$10K and minimum wage was \$2.15. Gas prices were out of control, approaching \$.49 a gallon.

Today, the average cost of a house is well above \$100K. The average car costs \$15-30K. Average family income is \$48K and minimum wage is over \$5. And yet you can purchase a heck of a nice HF station STILL for \$1000 or less. Much less, in the \$600-700 range, you've got the IC-706, K-2, FT-100, FT-817, etc. A FRACTION of the cost of a car or home. Of course the QRP rigs in the \$100-200 range is yet another whole story.

It has never been cheaper to get on-the-air with a quality station!!!

It \*IS\* true that most hams today rely on manufactured rigs, rather than building one, unlike the 1950's and 60's. But that was out of necessity due to the high costs of a new rig, and the abundance of WW2 surplus equipment. (Not to mention no credit cards yet -hi). But I do also believe one of the reasons so few build today is the total lack of quality construction articles by the leading magazines. "73" to "QST" just ain't what they used to be. To get any type of technical or construction article above the Novice level, you need to join the ARRL and subscribe to QEX on top of that at a costly investment for a couple of magazines, of which only one (QEX) you are out for. And for reasons that escapes me, you can not subscribe to QEX singly. I truly believe the ARRL needs to re-evaluate what it is doing with this hobby and come out with a published "charter" so we know what in the heck it now represents. I've been lost at this for years. If they want to see the ranks of ham radio continue to grow (or at least remain stable), they need to start putting good technical and construction articles back in QST and quit treating the readership as if 95% of us only have a 3rd grade education.

The QRP organizations represent a small number of hams today ... yet this is the part of the hobby that has seen an explosive growth, many kit and homebrew rigs, quality journals, gobs of on-the-air activities, people who hunger to learn more and more electronics, even though they don't do electronics for a living, and hams who generally have a passion for this hobby that scarcely exists in anyother segment. You'd think that would be a red flag for success and what this hobby is wanting for by some.

So appreciate those \$600 rigs and the new 5wpm hams coming into the hobby. The hobby \*is\* growing, and without us supporting and

encouraging these new hams, there will be less and less fellow hams to QSO in the years to come. It's a hobby that is truly more accessible today than it has ever been.

72, Paul NA5N

-----  
Date: Thu, 22 Aug 2002 19:25:32 -0500  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: "Garey Barrell" <k4oah@mindspring.com>, <qrp-1@lehigh.edu>  
Subject: [133087] Communications Quarterly absorbed into ARRL QEX magazine  
Message-ID: <007401c24a3b\$97473f70\$4e100a0a@rohredt2000>

Garey,  
there is Communications Quarterly Content in QEX which bought up the rights to Comm Q. CQ Publishing is reviving CQ VHF, not Comm Q.

There is some pretty technical stuff in QEX, and lots of good short projects from Zack Lau!

72,  
Stuart K5KVH

-----  
Date: Thu, 22 Aug 2002 20:44:45 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: "Bill ROWLETT" <kc4atu@yahoo.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [133088] Re: Specs on the new 897  
Message-ID: <006b01c24a3e\$745d6220\$0300a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> There are two versions of it. 100 watt using a PS and  
> 20 watt using the internal battery pack.

I had heard that the 'main' unit will be 100W on AC and 20W on the battery pack, but they were also going to offer two other versions. One with 50W, and one with 20W max. Sort of like what Kenwood did

years ago with the 120S and the 120V.

Mike

-----  
Date: Thu, 22 Aug 2002 19:52:02 -0500  
From: "w5tb" <w5tb@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [133089] ur truffle 2nite  
Message-ID: <00ba01c24a3f\$4bcb3980\$0300a8c0@alt1.tx.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

14060 up to first clear spot I find listening up +- 1

be gentle - it's my first try ;-)

will run using Omni 6 @ 5w to EDZ and perhaps switch to ta33 jr at 35' =  
if things get slow ;-). Will swing beam if necessary so stand by :-)

72, 73, oo     T.E. 'Doc' Drake, W5TB  
Arlington, Texas  
FISTS # 5365    QRP-ARCI # 3532 ARRL Life Member K1 #181 K2#1617=20

-----  
Date: Thu, 22 Aug 2002 21:26:30 -0400  
From: Jeff Hecht <jhecht@dnaco.net>  
To: qrp-l@lehigh.edu  
Subject: [133090] Re: Varactor Diodes  
Message-ID: <3D658F46.D756EEE0@dnaco.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks to all that have replied. I have some great ideas to try that  
many of you have suggested.

Best 72 and hope to see lots of you on the air.

Jeff - K8GD



<http://www.qsl.net/k8gd>

-----  
Date: Thu, 22 Aug 2002 20:27:44 -0500  
From: "Byron Tatum" <bjtatum@ev1.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [133091] Crystal Filters  
Message-ID: <000d01c24a44\$497f3460\$9ade0cd8@tatum001>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

A quick question : When I order the cheap microprocessor crystals for building a crystal ladder filter, should I order the series or 20 pF. ones? I need to get some at various IF freq. for some magazine article / Handbook projects and will match them using the Precision VXO from NJ QRP club project. Thanks, Byron

-----  
Date: Fri, 23 Aug 2002 01:33:42 GMT  
From: Thomas Jennings <jennings@eznet.net>  
To: dock0evz@earthlink.net  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [133092] Re: FOX \*Tonight\* [g]  
Message-ID: <20020823013342.30066.qmail@eznet.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="us-ascii"

Hounds:  
I hope 20 meters is wide open tonight!!!  
GL to all  
Tom kv2x

-----  
Date: Thu, 22 Aug 2002 20:42:35 -0500  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: "'bjtatum@ev1.net'" <bjtatum@ev1.net>,  
      Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [133093] RE: Crystal Filters  
Message-ID: <01C24A1C.73152320.nkennedy@tcainternet.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

In general, get the series ones. The 20 pF ones are specified for parallel operation with a 20 pF load. I actually don't think there's any difference in how they would perform, though.

Just got some in from Mouser yesterday and am measuring them as I type this. They are Fox series type and I'm showing  $R_s = 10$ ,  $Q = 110,000$  and  $LM = 22$  mh for these 8 MHz crystals.

72 es GL--

Nick, WA5BDU

-----Original Message-----

From: Byron Tatum [SMTP:bjtatum@ev1.net]  
Sent: Thursday, August 22, 2002 8:28 PM  
To: Low Power Amateur Radio Discussion  
Subject: Crystal Filters

A quick question : When I order the cheap microprocessor crystals for building a crystal ladder filter, should I order the series or 20 pF. ones? I need to get some at various IF freq. for some magazine article / Handbook projects and will match them using the Precision VXO from NJ QRP club project. Thanks, Byron

-----  
Date: Thu, 22 Aug 2002 21:42:20 -0400  
From: "Hugo W. Catta" <hugo@optonline.net>  
To: fflynn@adelphia.net,  
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [133094] Re: Sierra  
Message-ID: <00c601c24a46\$527dfdb0\$0300a8c0@hugocatt>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

I get 3 watts on 15, don't have the 10M module, though. Substitute the final transistor with a NTE 342 and go to my old.....very old and outdated web page [www.qsl.net/cx9aak/sierrmod.html](http://www.qsl.net/cx9aak/sierrmod.html).

See the mods I've done to my Sierra, (mostly gathered from this group), which is currently proudly standing on top of my trusty FT-902 and besides the "Volkswagen Beetle" of Ham Radio : The IC-735. My little Sierra treats these two as peers, and still is the most used rig

in my station.

72 es 73

Hugo

AA1XV

a.k.a. CX9AAK

----- Original Message -----

From: "Fran Flynn" <fflynn@adelphia.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, August 22, 2002 2:25 PM

Subject: Re: Sierra

> Has anyone figured out how to get more than about 1 watt out of it on  
> 15 and 10 meters? Mine is good for about 700mw on 10 and maybe  
> just over a watt on 15. I used a 4:1 transformer between the final  
> and the filter to get about 4 watts out on 40 and 30, it's only a matter  
> of winding the toroid differently, making it a transformer instead of a  
> choke, but it doesn't seem to have the (whatever it takes) to do much  
> power out 10 or 15.

>

> >> With the K1 being so popular, does anyone still build the Wilderness  
Radio

> >> Sierra anymore?

>

>

>

> > Well, I still have a Sierra that I use on occasion. Though it is now  
> >in several pieces.... have to get it put back together. :-)

>

>

-----  
Date: Thu, 22 Aug 2002 21:28:38 -0400

From: "Jason Hisson" <jhisson1@columbus.rr.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [133095] FS: Couple of Items

Message-ID: <003701c24a45\$8a393900\$6e01a8c0@procyon>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi guys,

I am saving up for a K1-4 so I am selling some stuff to get to my goal. I have:

1. An OHR100 40 Meter QRP Radio. Works great! Includes paperwork that I got from the seller. It has the 20M manual instead of the 40 M. Minor cosmetic blemishes. Does not include power cable (which you can make or get pretty cheap) - \$75.00

Low bandwidth picture:

[http://www.qsl.net/n8xe/images/forsale/OHR100\\_small.jpg](http://www.qsl.net/n8xe/images/forsale/OHR100_small.jpg)

High bandwidth picture:

<http://www.qsl.net/n8xe/images/forsale/OHR100.jpg>

2. PK232 TNC - This also works without any problems. Minor cosmetic blemishes. Includes manual. Does not include power cable (which you can make or get pretty cheap) - \$75.00

Low bandwidth picture:

[http://www.qsl.net/n8xe/images/forsale/PK232\\_small.jpg](http://www.qsl.net/n8xe/images/forsale/PK232_small.jpg)

High bandwidth picture

<http://www.qsl.net/n8xe/images/forsale/PK232.jpg>

Email me direct if interested...

Thanks es 73!

Jason Hissong - N8XE

<http://www.qsl.net/n8xe>

K2# 1270

FISTS #6338

FPQRP #443

ARLHS #661

-----  
Date: Thu, 22 Aug 2002 20:48:48 -0500

From: Nick Kennedy <nkennedy@tcainternet.com>

To: "'w2wurjj@verizon.net'" <w2wurjj@verizon.net>,  
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [133096] RE: Technical Articles v. "Adverteasing"

Message-ID: <01C24A1D.5157A2C0.nkennedy@tcainternet.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

-----Original Message-----

From: W2WU [SMTP:w2wurjj@verizon.net]

What happened to real technical & construction articles and periodicals like

\*Communications Quarterly\*?

-----Still exists as part of QEX.

There are novices & Elmer who can not define the differences between FRS, Cell, Trunking, and other modes.

---To be honest I have little interest in those services myself, and as a result don't know much about them.

You might say Amateur Radio is degenerating into "appliance operators."

-----You might, but someone beat you to it, about 40 years ago. Was it true then or true now? Both? Neither?

-----You can still find good technical articles--QST, QEX, QRPP, QRP Quarterly, NJQRP, many I'm going to offend by forgetting, and many web sites and discussion groups. It's a golden age of building and learning the technical side. Guess my glass is half full.

I am not against any operator's technical, or operating proclivities. I am an old timer who misses the real "meat" and pleasure we once had in a rewarding hobby. Build it-Don't buy it = Pride in hobby and yourself! 73, W2WU

I agree with you there (well, I build it AND buy it) and 73 to you also sir.

Nick, WA5BDU

-----  
Date: Thu, 22 Aug 2002 18:27:43 -0700 (PDT)  
From: Nelson Winter <thenels@go.com>  
To: qrp-l@lehigh.edu  
Subject: [133097] Re: QRP-L HUMOR: My Sierra (song parody)  
Message-ID: <1918571.1030066063683.JavaMail.thenels@gomailjtp01>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

FOTFLMAO!!!

-----Original Message-----

From: "Paul Valko" <w8kc@comcast.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Date: Thu Aug 22 16:24:13 PDT 2002

Subject: QRP-L HUMOR: My Sierra (song parody)

>Hello friends,

>

>It's been awhile since I put finger to keyboard to come up with a QRP-L  
>tune, so here's one based upon the "Sierra" thread we've seen in the past  
>few days...

>

>MY SIERRA

>- with apologies to Doug Fieger, Berton Avarre, and The Knack

>

>Ooh, my little pretty one, my pretty one  
>How d'ya figure Greenwich Mean Time, Sierra?  
>Ooh, you make me QLF, I'm QLF  
>Try to keep my paddles in line, Sierra

>

> Never gonna go, QRT, just run QRP  
> I always get antennas up for to stop all the QSB  
> My, my, my, aye-aye, whoa!  
> M-m-m-my Sierra

>

>Come a little closer, huh, a-will ya, huh?  
>Close enough to skip the grey line, Sierra  
>Keepin' it at QRP, it gets to me  
>Runnin' down the length of my wire, Sierra

>

> Never gonna go, QRT, just run QRP  
> I always get antennas up for to stop all the QSB  
> My, my, my, aye-aye, whoa!  
> M-m-m-my Sierra

>

>When you gonna give to me, DXCC  
>Is it just a matter of time, Sierra?  
>Is it d-d-destiny, d-destiny  
>Or is it a foxhunt in my mind, Sierra?

>

> Never gonna go, QRT, just run QRP  
> I always get antennas up for to stop all the QSB  
> My, my, my, aye-aye, whoa!  
> M-m-m-my Sierra  
> M-m-m-m-m-m-m-my, my, my, aye-aye, whoa!  
> M-m-m-my Sierra  
> M-m-m-my Sierra  
> M-m-m-my Sierra

> M-m-m-my Sierra  
>  
>----- lead guitar -----  
>  
>0000000-ohhh, my Sierra  
>0000000-ohhh, my Sierra  
>0000000-ohhh, my Sierra  
>  
>-----  
>  
> 73! =paul= W8KC  
>Collector of Ten\*Tecs and Other Fine Plastics.  
>Visit the Virtual Ten\*Tec Museum at <http://mywebpages.comcast.net/w8kc>  
>  
>  
>

-----  
GO.com Mail  
Get Your Free, Private E-mail at <http://mail.go.com>

-----  
Date: Thu, 22 Aug 2002 20:54:27 -0500  
From: David Gauding <[david.gauding@bbs.galilei.com](mailto:david.gauding@bbs.galilei.com)>  
To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [133098] Re: Portable paddle mounting idea  
Message-ID: <5.1.1.6.0.20020822184505.00a05c20@bbs.galilei.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Vance,

I'm tempted to buy a Porta-Paddle too - even though I'm right up to here in paddles, bugs and keys. I really like your idea of using the clipboard to mount a paddle.

In an effort to get around the how-do-I-mount-this-paddle-somewhere exercise, W0NVN and I developed the St. Louis Paddle a few years ago. It's a single lever design and about as simple and inexpensive as it gets for the portable op.

The little paddle doesn't work too badly either, all things considered, and it's a good practical accessory for field operations. There is an iambic version but I don't know when we will get around putting it down on paper.

The original SLP article is re-printed from the St. Louis QRP Society's "Peanut Whistle" in the Winter 2000 issue of NorCal's "QRPP". Included is an exceptional set of how-to drawings by NA5N.

The bill-of-materials consists of a heavy-duty 1/4" stereo plug, external jack, brass lever, brass rod, rubber feet and a cable assembly with mating connector. About a five dollar bill's worth of stuff for a good scrounger, readily available components and the paddle is practically bulletproof unless you stomp on it. Which should appeal to portable ops understandably reluctant to take \$75 to \$100 and up goodie for a walk in the woods.

What Andy Becker and I really like about the paddle is being able to use it two-handed. That means the ever present mounting question becomes a non-issue. Do I hear groans? Probably! But, they might be from guys who have never really operated trailside. Surprise! It's hard to find a spot on bare ground that is agreeable to your rig, your wrist, your behind and your back! <g>

I have a DSW-20 built into in a custom portable station with 1/4" key jacks on both the front and back panels. I can plug the paddle and its cable assembly into either. I can also plug the paddle in directly and key from there. This is a viable option on a picnic table or on the bench at home. But, confessing that most of the time, I hold the paddle in my left hand and key with the right.

Dot or dash on the wrong side? Simply turn the paddle assembly over or rotate the plug in its jack if handheld. The paddle can even be keyed one-handed with a little practice. Five-string banjo pickers have a leg up on us in this regard.

From a practical standpoint, the handheld paddle is always where I want it for keying and it does not need to be weighted down. The feel can be set during construction and adjusted later to meet the tactile expectations of most users. In addition to being ultra light, the paddle and 30" companion cable assembly with an 1/8" termination and 1/4" adaptor store just about anywhere. My set slips into a plastic tube or a plastic pouch.

We also developed a leg mount after the fact by adapting the design that KK5PY's uses for his well-known Te-Ne-Key paddle. It's a thin aluminum strap held on the thigh with velcro straps. The St. Louis Paddle slips into a simple U-shaped spring on a short post fitting. Besides trail use this accessory works very well for mobile.

Anyway, here is a paddle option for a trailside/portable for QRP-L subscribers. Several builders have e-mailed over the last two years to say it works for them, though one definitely said it did not. You might like this project and the price is certainly right.



Regards,

de Dave, NF0R      nf0r@slacc.com

-----  
Date: Thu, 22 Aug 2002 19:12:48 -0700  
From: "Bill Jones" <kd7s@psnw.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [133099] FS:NorCal SMK-1 Kit  
Message-ID: <000901c24a4a\$ce9b1320\$558b6bd1@microsoft>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

For Sale:

Brand new, never opened SMK-1 kit. Asking what I paid for it, \$30, plus split shipping 50/50 via USPS.

=====

Bill Jones - KD7S <><

Sanger, California

=====

-----  
Date: Thu, 22 Aug 2002 20:26:05 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: qrp-l@lehigh.edu  
Subject: [133100] Fox Doc is loud...  
Message-ID: <Pine.LNX.4.44.0208222018200.2142-100000@Daisy.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I sat with my atomic clock close to the FT-817 and the lights on bright and at 0200 UTC I looked around 14.055 and there was Doc K0EVZ at 599 calling CQ Fox. I called him up 2 and no answer. Then up one and no answer. Then heard a guy get Doc on his frequency. So I called him there and he came right back! The time was 0203 UTC.

--  
72, Karl K5DI

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```

Thank you for the good ideas, I will try them soon. I already have the 4:1 bifilar transformer mod in place and am using a 2SC2075 "CB final" for a final. It can do about 6 watts on 40m, but only about 800mw on 10.

```
>I get 3 watts on 15, don't have the 10M module, though.  
>Substitute the final transistor with a NTE 342 and go to my old.....very old  
>and outdated web page www.qsl.net/cx9aak/sierrmod.html.  
> See the mods I've done to my Sierra, (mostly gathered from this group),  
>which is currently proudly standing on top of my trusty FT-902 and besides  
>the "Volkswagen Beetle" of Ham Radio : The IC-735.  
>My little Sierra treats these two as peers, and still is the most used rig  
>in my station.  
>  
>72 es 73  
>Hugo  
>AA1XV  
>a.k.a. CX9AAK
```

>  
>----- Original Message -----  
>From: "Fran Flynn" <fflynn@adelphia.net>  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Sent: Thursday, August 22, 2002 2:25 PM  
>Subject: Re: Sierra  
>  
>  
>  
>  
>>Has anyone figured out how to get more than about 1 watt out of it on  
>>15 and 10 meters? Mine is good for about 700mw on 10 and maybe  
>>just over a watt on 15. I used a 4:1 transformer between the final  
>>and the filter to get about 4 watts out on 40 and 30, it's only a matter  
>>of winding the toroid differently, making it a transformer instead of a  
>>choke, but it doesn't seem to have the (whatever it takes) to do much  
>>power out 10 or 15.  
>>  
>>  
>>  
>>>>With the K1 being so popular, does anyone still build the Wilderness  
>>>>  
>>>>  
>Radio  
>  
>  
>>>>Sierra anymore?  
>>>>  
>>>>  
>>  
>>  
>>  
>> Well, I still have a Sierra that I use on occasion. Though it is now  
>>>in several pieces.... have to get it put back together. :-)  
>>>  
>>>  
>>  
>>  
>  
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>  
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>

-----

Date: Thu, 22 Aug 2002 22:29:26 -0400 (EDT)  
From: Chris Cartwright <ccart@phideaux.com>  
To: "Karl F. Larsen" <k5di@zianet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [133102] Re: Fox Doc is loud...  
Message-ID: <Pine.LNX.4.33.0208222228090.19429-1000000@dns.phideaux.com.>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Doc's loud here on the right coast too. I can just barely hear Rod about the noise at 14.0605. Will give him a while and see if he comes up a bit.

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --  
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

-----  
Date: Thu, 22 Aug 2002 19:36:37 -0700  
From: "Bill Jones" <kd7s@psnw.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [133103] Re: FS:NorCal SMK-1 Kit  
Message-ID: <000d01c24a4d\$e83f6080\$038b6bd1@microsoft>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

The SMK-1 has been sold to the first person who asked. It took one minute.

=====  
Bill Jones - KD7S <><  
Sanger, California  
=====

-----  
Date: Thu, 22 Aug 2002 20:44:22 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Chris Cartwright <ccart@phideaux.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [133104] Re: Fox Doc is loud...  
Message-ID: <Pine.LNX.4.44.0208222042090.2202-1000000@Daisy.dog>

MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Chris, I'm a bit closer than you are and I cannot say that I ever heard him. I switched off my big beam to a low dipole but it didn't seem to help a bit. I think the short skip is dead tonight.

On Thu, 22 Aug 2002, Chris Cartwright wrote:

```
>
> Doc's loud here on the right coast too. I can just barely hear Rod about
> the noise at 14.0605. Will give him a while and see if he comes up a bit.
>
>
> -- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
> -- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
> -- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
>
>
>
```

--  
72, Karl K5DI

```
| | _ | _ || \ | | | | | \ \ / /  
| | _ | | | . ' | | | _ | | > * <  
| _ _ | _ | | _ | \ _ | \ _ _ _ / / _ / \ _
```

Date: Thu, 22 Aug 2002 21:53:15 -0500  
From: "Jay Henson" <aj4ay@worldnet.att.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [133105] FOXII  
Message-ID: <006801c24a50\$3a955720\$0873560c@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

All,

Doc is strong into AL this evening. 14.055  
Rod's signal is up and down. 14.061

Got them both. Conditions are a lot better this week than last week.

Good luck to all.

See you on the radio.

Jay

AJ4AY Mobile, AL

FISTS #7917 ARCI #8131 SOC#220 FP# - 115

-----  
Date: Thu, 22 Aug 2002 23:00:33 -0400  
From: Fred Lesnick <flesnick@tbaytel.net>  
To: aj4ay@worldnet.att.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [133106] Re: FOXII  
Message-ID: <3D65A551.1CDB3024@tbaytel.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Doc is at a 3, same as my nise, and nor hearing Rod at all.....

Fred  
VE3FAL

Jay Henson wrote:

>  
> All,  
>  
> Doc is strong into AL this evening. 14.055  
> Rod's signal is up and down. 14.061  
>  
> Got them both. Conditions are a lot better this week than last week.  
>  
> Good luck to all.  
>  
> See you on the radio.  
> Jay  
> AJ4AY Mobile, AL  
> FISTS #7917 ARCI #8131 SOC#220 FP# - 115

-----  
Date: Thu, 22 Aug 2002 23:25:55 -0400  
From: Fran Flynn <fflynn@adelphia.net>

To: k8cv <k8cv@netzero.net>  
Cc: qrp-1@lehigh.edu  
Subject: [133107] Re: Sierra  
Message-ID: <3D65AB43.6090600@adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Now I remember seeing discussion about that on the list about 4 years ago, forgot about that untill now.  
Is it still available do you know? Thanks for the suggestion.

k8cv wrote:

>The DL PA was supposed to solve that problem but it does cost \$50 bucks or  
>so.

>

>Walt Amos K8CV Royal Oak, MI.

>

>

>----- Original Message -----

>From: "Fran Flynn" <fflynn@adelphia.net>

>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

>Sent: Thursday, August 22, 2002 19:25

>Subject: Re: Sierra

>

>

>

>

>>Has anyone figured out how to get more than about 1 watt out of it on  
>>15 and 10 meters? Mine is good for about 700mw on 10 and maybe  
>>just over a watt on 15. I used a 4:1 transformer between the final  
>>and the filter to get about 4 watts out on 40 and 30, it's only a matter  
>>of winding the toroid differently, making it a transformer instead of a  
>>choke, but it doesn't seem to have the (whatever it takes) to do much  
>>power out 10 or 15.

>>

>>

>>

>>>>With the K1 being so popular, does anyone still build the Wilderness

>>>>

>>>>

>Radio

>

>

>>>>Sierra anymore?

>>>>

>>>>

>>  
>>  
>>  
>>> Well, I still have a Sierra that I use on occasion. Though it is now  
>>>in several pieces.... have to get it put back together. :-)  
>>>  
>>>  
>>  
>>  
>>  
>  
>  
>-----  
>Introducing NetZero Long Distance  
>Unlimited Long Distance only \$29.95/ month!  
>Sign Up Today! [www.netzerolongdistance.com](http://www.netzerolongdistance.com)  
>  
>  
>

-----  
Date: Thu, 22 Aug 2002 22:57:43 -0500  
From: Vance Huntsinger <[vhuntsinger@iwic.net](mailto:vhuntsinger@iwic.net)>  
To: [qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)  
Subject: [133108] Re: Portable paddle mounting idea  
Message-ID: <4.2.0.58.20020822224610.00a534f0@mail.iwic.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Dave,

Hey, I think I remember that article--I'll have to dig out the Winter 2000 QRPp and have a look. Sounds like a fun, inexpensive project and I may wind up with another portable paddle. I HAVE tried the "two hand" method with a portable paddle and it works OK, but I like to be able to jot stuff down like call, name, QTH, etc. I can do it with the two hand method, but it becomes something of a juggling act sometimes.

Thanks for jogging my memory about your SLP design.

Vance--WA9YDJ  
K2 #1145

-----



Date: Fri, 23 Aug 2002 00:24:46 -0400  
From: "Makai - Staniei Cay" <makai@makai.org>  
To: <qrp-1@lehigh.edu>  
Subject: [133109] Magnifier Lamp...  
Message-ID: <PJEGK0FJPBGIMIDLDNDIOEKKCAAA.makai@makai.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hi Gang...

On my recent trip Stateside, I had a request from my XYL to pick up a magnifier lamp for her art work... Seeing a QRP opportunity here, I set about to find a lamp with a good lens and good light... Well I found a nice one at a reasonable price and thought I would pass it along to the group... I found it in the light section at Office Depot... It appears to be either stainless steel or chromed steel, very good looking... The lens is of good quality and is surrounded by a circular fluorescent lamp... This lamp clamps to your work bench ( I mean art table ) and adjusts to any position you need... Price was \$49 and the SKU Number is 067609000133...

Now all I have to do is wait for the Mailboat to bring my 40 & 20 Rock Mites and I will be able to test it out on the surface mount components... Check it out, it seems to be a nice one...

72 - Bruce - KL7H/C6A  
<http://www.makai.org/KL7H-C6A>

-----  
Date: Thu, 22 Aug 2002 21:07:11 -0700  
From: "Trevor Jacobs" <kg6cyn@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [133110] FOX: Audio Clips...  
Message-ID: <01bc01c24a5a\$8ef79ee0\$fdbcb2d1@tjacobs>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Gang,

Got some good clips of Doc tonight, including right near the beginning with the huge pile up! Also, Doc was strong the entire time. Must've had

a pipeline connection to ND this evening. In fact Doc, you were peaking at S9+ near the end of it, Very strong. Sorry Rod, didn't hear a peep out of you tonight! I listened the entire time and did hear a few hounds. N5NIE was running about S7 to S9 here tonight, nice signal. Anyway, I should have the clips edited and posted by the AM. Take care and thanks to both FOXII for a fun hunt!

73's Trev KG6CYN

<http://home.earthlink.net/~kg6cyn>

<http://www.qsl.net/kg6cyn>

-----  
Date: Thu, 22 Aug 2002 21:05:13 -0700  
From: "Bill Walker" <wv7g@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [133111] FOX  
Message-ID: <000901c24a5a\$48bb1f10\$020aa8c0@pluto>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

DOC was booming in southern Arizona. Solid 589

Bill Walker - WV7G

-----  
Date: Thu, 22 Aug 2002 22:32:26 -0600  
From: "Rod N0RC" <rod@n0rc.us>  
To: "qrp-l" <qrp-l@lehigh.edu>  
Subject: [133112] FOX N0RC prelim report....  
Message-ID: <001901c24a5e\$18bb8940\$6601a8c0@BIGDOG>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

YUK!

50 QSOs max.

Things started out OK, no "wall of sound", more like a sieve. I'd be listing to a call and suddenly--POOF--it was gone! Sometimes it would

The last hour was very L O N G,  
zzzzzzzzzzzzzzzzZZZZZZZZZZzzzzzzzzzzzz

-----

It's always refreshing to read my QRP-L e-mail after a long day at work so I can catch another edukashunal e-mail, this time on a convoluted way to figure out simple things about internet tlds.

So why does somebody post a long, detailed, off-topic post about their haphazard educational journey on the internet to an amateur radio e-mail list and \*NOT EXEPECT A COMMENT\*??!

(Of course, the previous statements do not necessarily require comment as they are sarcastic and hopefully, to some, humorous retorts that include a rhetorical question along with some hyperbole. Unfortunately, it may induce

more followups to a silly off-topic thread. For that, please accept my humble apologies in advance, for I couldn't restrain myself :-)

=== NICE QRP RELATED THOUGHTS + A QUERY BELOW ===

I came across my ol' 49er while sifting through some boxes of parts this past weekend! What pleasant memories it invoked of the "good ol days" of QRP-L (heck, at QRP-L #800, I'm hardly an old-timer, but it was the good-ol days for me!). The 49er was my first journey back into kit building since I built some Heathkits back when I was in high school. I built it at the kitchen table the night the kit came and had it operational the next evening. What a kick to work California on a radio in an altoids tin!

I can only imagine many are getting the same thrill from the RockMites. I've got a 20m RockMite on order, but have so far missed out on the 40m RockMite fun.

Alas, over time, I've scavenged parts from the 49er -- a choke here, a transistor there. It reminds me of an old abandoned car.

Then it occurred to me -- heck, the ol 49'er uses the 7040 crystal with a simple capacitor-tuned VXO, why not get the thing back on the air and work some of these RockMites? Thanks to Jerry Parker maintaining the 49er schematic and mods pages, I'm now off to scavenge my junk box to restore my 49er to good health!

So, anybody else out there still have an operational 49er? How 'bout some 49-er to RockMite QSO reports? Hopefully I'll contribute a couple of reports after this weekend! :-)

73,  
Jerry  
WOMC

-----  
Date: Fri, 23 Aug 2002 0:4:25 -0500  
From: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [133114] K0EVZ FOX Quick Report  
Message-ID: <4120028523542517@earthlink.net>  
MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Gang:

Wow, sure was great finally to hear some signals on 20 for a change. Wow, maybe there is hope [g]. The preliminary count is 80. Hope I got everyone. Used headphones throughout, which helped, but yikes the old ears are still ringing.

Log in a day or so. Thanks again.

73,

--Doc/K0EVZ

-----  
Date: Fri, 23 Aug 2002 05:35:22 +0000  
From: Arthur Moe <kb7ww@easystreet.com>  
To: qrp <qrp-1@lehigh.edu>  
Subject: [133115] Updating HOUND scores on web page  
Message-ID: <3D65C99A.49EA881B@easystreet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Can someone tell me when the HOUND scores will be updated on the web page ???

Thanks  
Art  
KB7WW

-----  
Date: Thu, 22 Aug 2002 22:35:09 -0700  
From: "Trevor Jacobs" <kg6cyn@earthlink.net>  
To: <w0mc@radioactivehams.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [133116] Re: Ye Ol' 49er - Great Idea!!!!  
Message-ID: <001701c24a66\$db8bd850\$bd0cf4d8@tjnotebook>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Great Idea Jerry!!!!

I've still got my Altoids mounted 49er. Will have to dust it off, and fire it up! Actually I think I only ever had 1 or 2 QSO's on it, so it'd be a lot of fun. Was thinking about getting a Rock-Mite also, but still have a 38 Special, my second DSW-40, a Jersey Fireball, a Tiny Tornado, and a TT2 to get together first, Hi. Would like to get in on some of the Rock-Mite action though! It's a first rate kit though. I got to play with Michael K6MMC's rig! What say the rest of the group?

73's Trev KG6CYN  
<http://home.earthlink.net/~kg6cyn>  
<http://www.qsl.net/kg6cyn>

----- Original Message -----

From: "Jerry McCollom" <w0mc@radioactivehams.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, August 22, 2002 9:42 PM  
Subject: Ye Ol' 49er [Was Re: Example of false looking e-mail address]

> It's always refreshing to read my QRP-L e-mail after a long day at work so  
I  
> can catch another edukashunal e-mail, this time on a convoluted way to  
> figure out simple things about internet tlds.  
>  
> > And we needed you to research and report that an email address will  
> work?  
> > >  
> >  
> > And we needed you to comment on my message?  
>  
> So why does somebody post a long, detailed, off-topic post about their  
> haphazard educational journey on the internet to an amateur radio e-mail  
> list and \*NOT EXEPECT A COMMENT\*??!  
>  
> Perhaps posts should now include extra headers: an X-NEEDS-COMMENT:  
header  
> to indicating whether or not the post is an announcement or treatise that  
> requires no further comment, and, for messages that do need comment, an  
> X-NEED-COMMENT-FROM: header to list those e-mails from whom comments are  
> needed. :-)  
>

> (Of course, the previous statements do not necessarily require comment as  
> they are sarcastic and hopefully, to some, humorous retorts that include a  
> rhetorical question along with some hyperbole. Unfortunately, it may  
induce  
> more followups to a silly off-topic thread. For that, please accept my  
> humble apologies in advance, for I couldn't restrain myself :-)  
>  
> === NICE QRP RELATED THOUGHTS + A QUERY BELOW ===  
>  
> I came across my ol' 49er while sifting through some boxes of parts this  
> past weekend! What pleasant memories it invoked of the "good ol days" of  
> QRP-L (heck, at QRP-L #800, I'm hardly an old-timer, but it was the  
good-ol  
> days for me!). The 49er was my first journey back into kit building since  
I  
> built some Heathkits back when I was in high school. I built it at the  
> kitchen table the night the kit came and had it operational the next  
> evening. What a kick to work California on a radio in an altoids tin!  
>  
> I can only imagine many are getting the same thrill from the RockMites.  
> I've got a 20m RockMite on order, but have so far missed out on the 40m  
> RockMite fun.  
>  
> Alas, over time, I've scavenged parts from the 49er -- a choke here, a  
> transistor there. It reminds me of an old abandoned car.  
>  
> Then it occurred to me -- heck, the ol 49'er uses the 7040 crystal with a  
> simple capacitor-tuned VXO, why not get the thing back on the air and work  
> some of these RockMites? Thanks to Jerry Parker maintaining the 49er  
> schematic and mods pages, I'm now off to scavenge my junk box to restore  
my  
> 49er to good health!  
>  
> So, anybody else out there still have an operational 49er? How 'bout  
some  
> 49-er to RockMite QSO reports? Hopefully I'll contribute a couple of  
> reports after this weekend! :-)  
>  
> 73,  
> Jerry  
> W0MC  
>  
>  
>  
>  
>  
>  
>

-----  
Date: Fri, 23 Aug 2002 02:13:21 -0400  
From: w4bws@juno.com  
To: na5n@zianet.com  
Cc: qrp-1@lehigh.edu  
Subject: [133117] Re: Hobby costs, etc.-long  
Message-ID: <20020823.021443.-136297.3.W4BWS@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Does anyone remember when WRL, and several others would sell you your dream rig for 10% down and 10% every month until paid off? I'm sure that helped many hams get on the air with new equipment. Then there was lots of good used trade-ins to have at about 40% off new prices.

Well since i started in 1948 with a ARC 5 RX on 40 meters and a 6AQ5 TX on the rear deck then built the single 6L6 QRP Kilowatt I can tell you that it was only thru many Elmers who "greatfully" donated parts so I could build these items. In 1948 I was 8 yearsold and had my first paper route and had to pay my dad back for the bicycle I needed for the paper route. I made 2 cents on every paper delivered, papers were only 5 cents a day then, and I had about 80 people on my route.

Thank goodness for the old TV's I got from the ham who ran the repair shop-probably still have some of the old parts- I was able to build up the 807 final in about 1952 and had about 30 watts into the old dipole. Then I built the 3 tube and then 4 tube receiver from the hand book. Well I convinced my dad to help me get my first commercial rig in 1955 when the Heath DX 35 came out and a used SX99, lets see \$60.00 for the DX 35 and \$90 for the SX99, I remember it took 2 years to pay that back.

Then about 1957 I got lucky and found a local ham's widow who had a SX100 and a kit Johnson Ranger 1 that the ham hadn't built yet who sold them to me for \$100. OK, she went to my church and I really fast talked the preacher into interveening on my behalf. Anyway she didn't know what to do with them and I was really a good kid who deserved to have them. Had to cut the preachers yard all summer though. BTW, I still have those 2 rigs.

I also built up a phasing SSB transmitter, W2EWL, for for 20 meters in 1956, a two meter mixer and amplifier, a 4CX 300



linear and four 8 element beams stacked on a homebrew wood 30 foot tower. I remember building the Frank Jones low noise 417A converters and Sam Harris W1FZJ, I believe, published information about the parametric amplifier- I just had to build one. I worked meteor shower, Aurora, and several skip modes before I got out of highschool. Most everything was scrounged from military surplus that was available to our High School Radio Club. Yeah, I know there just isn't that kind of surplus much today.

I sold the SX99 and DX35 and bought a DX100 kit. I built it and sold it to a ham that could not build for him self. I found a new hobby- building kits for other hams- I made money , got to use lots of new ham gear for a week or so and learned about electronics, trouble shooting, operating and lots more.

I built lots of RX and TX from those old parts and lots of antennas. In 1958 I went off to OHIO State to study EE. I worked for the campus radio station as student chief engineer, I had my commercial ticket. I was the highest paid student at the university at \$1.50 an hour I believe my interest in ham radio had a profound effect on my life. Dr. Krauss was one of my favorite instructors. I wound up working in the space industry in Florida for 25 years.

Yes, you can get really great new equipment for the dollar now compared to the 50's, 60's, and 70's. But there always were ways for the truly determined to get on the air and enjoy this wonderful hobby. Thank goodness we have the great QRP kits available today. Thank you to those who design, kit, distribute, buy and build. Don W4BWS

On Fri, 23 Aug 2002 00:22:19 GMT na5n@zianet.com writes:

> Gang,  
> I find the various opinions on our hobby today quite interesting,  
> especially those who feel it is difficult or expensive to engage in  
> ham radio. I think it is cheaper than ever to "get on the air" on  
> HF.  
>  
>

---

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<http://dl.www.juno.com/get/web/>.

---

Date: Fri, 23 Aug 2002 17:23:42 +1000  
From: "Adam" <jabba@w3.to>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,  
<thenels@go.com>  
Subject: [133118] Re: QRP-L HUMOR: My Sierra (song parody)  
Message-ID: <00c001c24a76\$03ca9680\$743832d2@kids>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Weird Al Yankovic should record this!

73 Adam  
Packet Address :- VK4LAJ @ VK4KUG.#LGN.QLD.AUS.OC  
Web Presence :- [www.qsl.net/vk4laj](http://www.qsl.net/vk4laj)  
WIA No. :- 361984  
QRP - ARCI No. :- 11276  
CW Ops' QRP Club :- 664  
Ten Ten No. :- 73123  
Springbok No. :- 2313

Thought for the day:-  
Have you ever wondered how the  
"Do not walk on the grass" signs  
get there?

> >Hello friends,  
> >  
> >It's been awhile since I put finger to keyboard to come up with a QRP-L  
> >tune, so here's one based upon the "Sierra" thread we've seen in the past  
> >few days...  
> >  
> >MY SIERRA  
> >- with apologies to Doug Fieger, Berton Avarre, and The Knack  
> >  
> >Ooh, my little pretty one, my pretty one  
> >How d'ya figure Greenwich Mean Time, Sierra?  
> >Ooh, you make me QLF, I'm QLF  
> >Try to keep my paddle in line, Sierra

SNIP

---  
Outgoing mail from this account has been scanned and found to be virus free.  
However, should you find that this email contains a virus please notify the  
sender immediately

Checked by AVG anti-virus system (<http://www.grisoft.com>).  
Version: 6.0.384 / Virus Database: 216 - Release Date: 21/08/02

-----  
Date: Fri, 23 Aug 2002 00:47:08 -0700  
From: "Trevor Jacobs" <kg6cyn@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [133119] Re: Audio Clips...  
Message-ID: <001101c24a79\$490f6880\$030ef4d8@tjnotebook>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ok Gang...stayed up a bit late tonight and updated the Summer Fox Hunt Audio Clips web page. Got a good one of Doc at the begining of the hunt and the big wall of sound of CW operators. Take care...

73's Trev KG6CYN  
<http://home.earthlink.net/~kg6cyn>  
<http://www.qsl.net/kg6cyn>  
----- Original Message -----  
From: "Trevor Jacobs" <kg6cyn@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, August 22, 2002 9:07 PM  
Subject: FOX: Audio Clips...

> Hi Gang,  
>  
> Got some good clips of Doc tonight, including right near the beginning  
> with the huge pile up! Also, Doc was strong the entire time. Must've had  
> a pipeline connection to ND this evening. In fact Doc, you were peaking  
> at S9+ near the end of it, Very strong. Sorry Rod, didn't hear a peep  
> out of you tonight! I listened the entire time and did hear a few  
> hounds. N5NIE was running about S7 to S9 here tonight, nice signal.  
> Anyway, I should have the clips edited and posted by the AM. Take care  
> and thanks to both FOXII for a fun hunt!  
>  
> 73's Trev KG6CYN  
> <http://home.earthlink.net/~kg6cyn>  
> <http://www.qsl.net/kg6cyn>  
>  
>  
>

-----  
Date: Fri, 23 Aug 2002 08:21:26 +0000  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: bjtatum@ev1.net, qrp-1@lehigh.edu  
Subject: [133120] Re: Crystal Filters  
Message-ID: <F13151nzL1QnZ3keNNP0000bc29@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>From: "Byron Tatum" <bjtatum@ev1.net>  
>Reply-To: bjtatum@ev1.net  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: Crystal Filters  
>Date: Thu, 22 Aug 2002 20:27:44 -0500  
>  
> A quick question : When I order the cheap microprocessor crystals for  
>building a crystal ladder filter, should I order the series or 20 pF. ones?  
>I need to get some at various IF freq. for some magazine article / Handbook  
>projects and will match them using the Precision VXO from NJ QRP club  
>project. Thanks, Byron

There isn't really any difference between series and parallel crystals.  
Series crystals are usually intended for overtone operation, parallel  
crystals are desirable for filters.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790  
Email:leon\_heller@hotmail.com  
My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)  
My low-cost Altera Flex design kit: <http://www.leonheller.com>

-----  
MSN Photos is the easiest way to share and print your photos:  
<http://photos.msn.com/support/worldwide.aspx>

-----  
Date: Fri, 23 Aug 2002 20:54:10 +1000

From: "Ian C. Purdie" <ianpurdie@integritynet.com.au>  
To: EQA <Electronics-qa@vk2tips.com>, Flying Pigs <fpqrp-1@mpna.com>,  
"GQRP@yahoogroups.com" <GQRP@yahoogroups.com>,  
Subject: [133121] Help Please  
Message-ID: <3D661452.499820C3@integritynet.com.au>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

I've received significant correspondence over the 'absence' of the VK2TIP Newsletter.

Apart from:

- a) Recovering from recent injuries AND;
- b) Learning whole new languages (XML, XSLT etc.) which are demanding...
- c) Somewhat burned out after 6 years of internet experience.

The thought has now subsequently occurred to me:

Why not "guest" editors?

Now, I can think of a number of folks who I believe are very good. Why not put yourself in the spotlight?

Write the "VK2TIP Newsletter" for an issue with your thumb print on it - full credit.

No technical issues involved - I'm not talking electronics here - just send me a plain .txt file of your idea for a whole issue. Usual conditions.

72/73's

Ian C. Purdie  
Budgewoi N.S.W. Australia - Co-ords S33 14', E151 34'  
VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 FP#91  
<http://www.electronics-tutorials.com/>

-----  
Date: Fri, 23 Aug 2002 05:36:48 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: qrp-1@lehigh.edu  
Subject: [133122] Fox What happened?



> everyone. Used headphones throughout, which helped, but yikes the old ears  
> are still ringing.  
>  
> Log in a day or so. Thanks again.  
>  
> 73,  
> --Doc/K0EVZ  
>  
>  
>  
>  
>  
>

-----  
Date: Fri, 23 Aug 2002 12:10:38 +0100  
From: "k8cv" <k8cv@netzero.net>  
To: "Fran Flynn" <fflynn@adelphia.net>  
Cc: "Qrp-L Posts" <qrp-l@lehigh.edu>  
Subject: [133124] Re: Sierra  
Message-ID: <001401c24a95\$b6c2d6c0\$1a95d43f@waltamos>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

No I don't know, but bet it is! I just went to google and put in

sierra dl pa

and it came up with a ton of references and a bunch on the first page looked promising.

They had a kit and there is a DL who is on here quite frequently Indigo Red rings a bell in my mind. But the input transformer was backwards or something and lost a lot in the translation from German to English.

Walt Amos K8CV Royal Oak, MI.

----- Original Message -----  
From: "Fran Flynn" <fflynn@adelphia.net>  
To: "k8cv" <k8cv@netzero.net>  
Cc: <qrp-l@Lehigh.EDU>

Sent: Friday, August 23, 2002 04:25  
Subject: Re: Sierra

> Now I remember seeing discussion about that on the list about 4 years  
> ago, forgot about that until now.  
> Is it still available do you know? Thanks for the suggestion.  
>  
> k8cv wrote:  
>  
> >The DL PA was supposed to solve that problem but it does cost \$50 bucks  
or  
> >so.  
> >  
> >Walt Amos K8CV Royal Oak, MI.  
> >  
> >  
> >----- Original Message -----  
> >From: "Fran Flynn" <fflynn@adelphia.net>  
> >To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
> >Sent: Thursday, August 22, 2002 19:25  
> >Subject: Re: Sierra  
> >  
> >  
> >  
> >  
> >>Has anyone figured out how to get more than about 1 watt out of it on  
> >>15 and 10 meters? Mine is good for about 700mw on 10 and maybe  
> >>just over a watt on 15. I used a 4:1 transformer between the final  
> >>and the filter to get about 4 watts out on 40 and 30, it's only a matter  
> >>of winding the toroid differently, making it a transformer instead of a  
> >>choke, but it doesn't seem to have the (whatever it takes) to do much  
> >>power out 10 or 15.  
> >>  
> >>  
> >>  
> >>>>With the K1 being so popular, does anyone still build the Wilderness  
> >>>  
> >>>  
> >Radio  
> >  
> >  
> >>>>Sierra anymore?  
> >>>  
> >>>>  
> >>  
> >>  
> >>



> >>> Well, I still have a Sierra that I use on occasion. Though it is now  
> >>>in several pieces.... have to get it put back together. :-)  
> >>>  
> >>>  
> >>  
> >>  
> >>  
> >  
> >  
> >-----  
> >Introducing NetZero Long Distance  
> >Unlimited Long Distance only \$29.95/ month!  
> >Sign Up Today! [www.netzerolongdistance.com](http://www.netzerolongdistance.com)  
> >  
> >  
> >  
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>  
>

-----  
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-----  
Date: Fri, 23 Aug 2002 12:15:59 +0100  
From: "k8cv" <k8cv@netzero.net>  
To: "Qrp-L Posts" <qrp-l@lehigh.edu>  
Subject: [133125] OT: FOX .....  
Message-ID: <002a01c24a96\$75d15c80\$1a95d43f@waltamos>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The fox hunts are WAY TO LATE for propagation on 20 meters.

" can't we all just discuss this "

Walt Amos K8CV Royal Oak, MI.

-----  
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-----  
Date: Fri, 23 Aug 2002 08:18:31 -0400  
From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>  
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>  
Subject: [133126] BUBBA Sprint  
Message-ID: <F9351DA9F0F6D41187410090277B3EB307D306B5@ev008msxaege.ae.ge.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"

I'm a novice at contesting, so be patient with me . . . . :-)

What is "SPC" for the exchange used in the BUBBA Sprint?

Mark, AA4MF

-----  
Date: Fri, 23 Aug 2002 12:28:03 +0100  
From: "k8cv" <k8cv@netzero.net>  
To: "Qrp-L Posts" <qrp-l@lehigh.edu>  
Subject: [133127] Rain on the Rock-Mite parade .....  
Message-ID: <003001c24a98\$2588c540\$1a95d43f@waltamos>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Fellow Qrpers:

I have listened for Rock-Mites! Alas, I have heard NONE ! Rock-Mites may be fun in Colorado, the hot bed of QRP but here in the black hole of RF, 500 mw is lost in the solar disturbances and distance so alas no Rock-Mite qso's!

Would it not be asking too much for the Rock-Mite fanciers to at least consider a SWL-40+ and the Rock-Crushing 1.9 Watts it puts out as an INTERESTING alternative to the Rock-Mite ?

" Can't we all just DISCUS this "

Walt Amos K8CV Royal Oak, MI.

-----

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-----  
Date: Fri, 23 Aug 2002 08:30:10 -0400  
From: W2AGN <[w2agn@w2agn.net](mailto:w2agn@w2agn.net)>  
To: Low Power Amateur Radio Discussion <[qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)>  
Subject: [133128] Re: Fox Doc is loud...  
Message-ID: <3D65F292.16679.E459004@localhost>  
MIME-version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

On 22 Aug 2002 at 22:29, Chris Cartwright wrote:

>  
> Doc's loud here on the right coast too. I can just barely hear Rod about  
> the noise at 14.0605. Will give him a while and see if he comes up a bit.  
>  
>

Same here. Doc was 599, but Rod was at ESP levels.

--

/ \ / \ / \ / \ / \ John L. Sielke  
( W )( 2 )( A )( G )( N ) <http://www.w2agn.net>  
 \\_ / \\_ / \\_ / \\_ / \\_ / QRP/ARCI, NJQRP, ARQrp, GQRP, RSGB  
Ex- K3HLU, W7JEF, W4MPC, N4JS

-----  
Date: Fri, 23 Aug 2002 08:30:40 -0400  
From: David Hinerman <[WD8CIV@worldnet.att.net](mailto:WD8CIV@worldnet.att.net)>  
To: [qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)  
Subject: [133129] Re: Hobby costs, etc.-long  
Message-ID: <5.1.0.14.1.20020823082304.00b1d3c0@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 02:13 AM 8/23/2002 -0400, you wrote:

>I built lots of RX and TX from those old parts and lots of antennas.  
>In 1958 I went off to OHIO State to study EE.

Don,

My condolences. (Grin) I worked with a lot of shiny new EEs from Ohio State over the past 20 years. The ones that knew their stuff well enough to be useful "right out of the box" were the ones that had some prior experience before they even started at university. The others we ended up teaching how to solder.

> I worked for the  
> campus radio station as student chief engineer, I had my  
> commercial ticket. I was the highest paid student at the university  
> at \$1.50 an hour I believe my interest in ham radio had a  
> profound effect on my life. Dr. Krauss was one of my favorite  
> instructors.

When I moved to Columbus in 1980 I used to see a car with W8JK tags now & then. I knew he was at Ohio State, so I felt sort of privileged to live in the same town as one of "the greats." Then when I was taking a math class there about 12 years ago I was wandering the halls looking for a restroom and found his office. I felt like I should light a candle or something. He wasn't in - he was far too valuable to the university to have to teach night classes.

> found up working in the space industry in Florida  
> for 25 years.

Some guys have all the luck! (Grin)

Dave

-----  
"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton  
-----

Dave Hinerman  
WD8CIV@att.net

-----  
Date: Fri, 23 Aug 2002 08:36:55 -0400  
From: W2AGN <w2agn@w2agn.net>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [133130] Bubba-It's a PLOT!  
Message-ID: <3D65F427.1172.E4BBE70@localhost>  
MIME-version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

Almost a month of 90+ temperatures. This morning (Friday), it's 75 degrees at 8AM. So, what great BUBBA weather. Then I see the forecast for tomorrow.

"Saturday

Showers and thunderstorms likely. Highs in the upper 70s.

East winds 10 to 15 mph. Chance of rain 60 percent."

Figures! The propagation might even be good.

Ummm, inside operators use temp at operating position...what if I turned on the heat....????

--

/ \ / \ / \ / \ / \ John L. Sielke  
( W )( 2 )( A )( G )( N ) <http://www.w2agn.net>  
\\_ / \\_ / \\_ / \\_ / \\_ / QRPARI, NJQRP, ARQrp, GQRP, RSGB  
Ex- K3HLU, W7JEF, W4MPC, N4JS

-----  
Date: Fri, 23 Aug 2002 09:06:22 EDT  
From: Macstein@aol.com  
To: qrp-1@lehigh.edu  
Subject: [133131] Re: QRP DXCC Advice?  
Message-ID: <de.2c0f69dc.2a978d4e@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

You are getting GREAT advice! My tips:

- Read "The Complete DX'er" by Bob Locher (1983), published by Idiom Press, PO Box 583, Deerfield, IL 60015. I love this book.
- Listen down on the bottom section of the bands.
- Watch spots on DX summit: <http://oh2aq.kolumbus.com/dxs/>
- have some spotting partners (AOL IM is GREAT for this).
- operate in contests
- whatever antenna you use -- optimize it. ( I used an attic dipole for YEARS with success.)
- have fun, and don't sweat it now...

It takes patience to get the cards, and you have to decide how "fast" you want them. The Flying Pigs QRP club had a race to see who could get 100 countries first in 2002. Several people logged 'em in ONE month! (I didn't sleep much that month.) But getting

the cards is work. I QSL direct with return envelope and postage/IRC/money to get new countries. This is a good QSL route site: [http://www.alltel.net/~johnshan/dx\\_ss\\_routes.html](http://www.alltel.net/~johnshan/dx_ss_routes.html)  
I use the ARRL bureau for all others.

GOOD LUCK and give us a HAPPY SHOUT when you get it!

-MAC-  
AF4PS  
Odessa, FL

-----  
Date: Fri, 23 Aug 2002 08:17:48 -0500  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-l@lehigh.edu>  
Subject: [133132] Queue up for some Q: Core Talk  
Message-ID: <01C24A7D.91D7C680.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

One of the unpleasant side effects of probing the secrets of crystals can be acquiring an unnatural interest in that mysterious dimensionless thing called Q.

A couple weeks ago a poster wondered if those big ferrite beads (sometimes split) used to reduce radiation from video monitor cables and elsewhere might be good for radio work. As a balun for example.

So I figured hey, I'm rigged to the max for Q measurements so why not check it out. Q represents Quality Factor and is sometimes called a figure of merit. Let's see how meritorious these things are.

-----  
Date: Fri, 23 Aug 2002 08:26:31 -0500  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [133133] RE: Queue up ... Or Not [00PS]  
Message-ID: <01C24A7E.C9794D60.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I didn't know it was loaded. I thought sure I had the safety on.

Premature post. I hate when I do that. And now I've lost my train of thought. Maybe I'll get back to it later.

Sorry abt tt--

72--Nick, WA5BDU

-----Original Message-----

From: Nick Kennedy [SMTP:nkennedy@tcainternet.com]

Let's see how meritorious these things are.

Or Not ...

-----  
Date: Fri, 23 Aug 2002 09:39:20 -0400  
From: Michael Babineau <michael.babineau@sympatico.ca>  
To: qrp-l@lehigh.edu  
Subject: [133134] re: mobile question answer after a fashon  
Message-ID: <BA32709E-B69D-11D6-98CA-00039309268A@sympatico.ca>  
Mime-Version: 1.0 (Apple Message framework v482)  
Content-Type: text/plain; charset=US-ASCII; format=flowed  
Content-Transfer-Encoding: 7bit

Charles Mabbott" <aa8vs@msn.com> wrote :

> I posed this same  
>question [102" whip from RS] to both SGC and LDG.

>The response I got back was SGC is no problem as it has an extremely  
wide  
>range of loads it can match. Approximately .2 to 5,000 impedance  
>matching range.

>The response I got back from LDG was they have an insufficient range of  
>capacitive and inductive reactance.

FYI ... I have used a 102" whip mounted on a tri-magnet mount on the  
roof of my stationary Subaru Outback  
to work 10m - 40m using the Original LDG QRP Autotuner. I recall working  
a number of VT stations on CW with  
this setup @5W during the VT QSO party a few years back ... no problems  
matching.

Michael, VE3WMB

-----  
Date: Fri, 23 Aug 2002 06:46:06 -0700 (PDT)  
From: Lloyd Lachow <llachow@yahoo.com>  
To: qrp-l@lehigh.edu, "Li'l Piggies" <fpqrp-l@mpna.com>  
Subject: [133135] I was moved to create this timeless work of Art  
Message-ID: <20020823134606.37096.qmail@web10009.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I worked a Truffle and a Fox,  
And I found they both were Docs  
It wasn't humdrum  
Nor a conundrum,  
It was...a Paradox!!

=====  
73, Lloyd, K3ESE  
K1 # 00379 - ARRL  
ARS #1301 - FISTS #8774  
FPqrp #476 - QRParci #11147  
QRP-L #2415 - SOC #530  
HGT #6'1 - Wgt #190 - BT #B-

-----  
Do You Yahoo!?  
Yahoo! Finance - Get real-time stock quotes  
<http://finance.yahoo.com>

-----  
Date: Fri, 23 Aug 2002 15:41:44 +0200  
From: Ingo Meyer DK3RED <dk3red@gmx.net>  
To: qrp-l@lehigh.edu  
Subject: [133136] Re: Sierra  
Message-ID: <5.1.1.6.1.20020823150358.009e4ec0@pop.gmx.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"; format=flowed  
Content-Transfer-Encoding: quoted-printable

Hello Walt,

>They had a kit and there is a DL who is on here quite frequently Indigo Red  
>rings a bell in my mind. But the input transformer was backwards or  
>something and lost a lot in the translation from German to English.

We HAVE a kit designed by DL2AVH (member of the German QRP Group=20



"DL-QRP-AG") and distribute ONLY by "Funkamateur" Berlin.

Funkamateur Reader Service  
Berliner Str. 69, D-13189 Berlin, Germany  
Fon: +49-30-44669472, Fax: +49-30-44669469  
<http://www.funkamateur.de> [sales@funkamateur.de](mailto:sales@funkamateur.de)  
-> Online-Shop  
-> Baus=E4tze  
-> Funkamateur-Baus=E4tze  
-> DL-QRP-PA

DL-QRP-PA (Art.-Nr. 4901)  
PWR: 7.5 watts from 1.8 to 50 MHz  
PCB: 30mm x 35mm with ready soldered SMT/SMD parts  
Rest: Only 2 transformer and 4 transistors and 1 capacitor  
Price: 42 Euro

We have reworked the transformer winding part and published in our club mag=  
=20  
(I think not in the original manual shipped with the PA). If you have any=20  
questions about the kit so I will answer.

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

[dk3red@t-online.de](mailto:dk3red@t-online.de) <http://www.t-online.de/~dk3red>  
DL-QRP-AG #824 <http://www.dl-qrp-ag.de>

-----  
Date: Fri, 23 Aug 2002 11:10:23 -0400  
From: Michael Babineau <[michael.babineau@sympatico.ca](mailto:michael.babineau@sympatico.ca)>  
To: [arlhs@mailman.qth.net](mailto:arlhs@mailman.qth.net), [psk31@bipt106.bi.ehu.es](mailto:psk31@bipt106.bi.ehu.es), [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [133137] VE3WMB/VE9 Grand Manan Island Lighthouses QRP Special Event,  
Sept 1 to Sept 6  
Message-ID: <728E69F7-B6AA-11D6-98CA-00039309268A@sympatico.ca>  
Mime-Version: 1.0 (Apple Message framework v482)  
Content-Type: text/plain; charset=US-ASCII; format=flowed  
Content-Transfer-Encoding: 7bit

I will be activating five Lighthouses on the Island of Grand Manan N.B.  
during the week of Sept 1st to September 6th.

Operation will be on or about 14.071 MHZ as VE3WMB/VE9.  
Note, this will be a 20M PSK31 (QRP) only operation.

The list of lighthouses to be activated are :

Gannet Rock (ARLHS# CAN 192)  
Swallowtail (ARLHS # CAN 491)  
Southwest Head (ARLHS# CAN 469)  
Long Eddy Point (ARLHS# CAN 283)  
Long Point (Whitehead Island ARLHS# CAN 644)

Note that Grand Manan is also an IOTA entity (South New Brunswick Group NA-014)

so contacts will also count toward IOTA Awards.

This will be a very casual operation and the hours may be a bit sporadic as this is not the primary activity of the trip.

I hope to operate daily from about 11:00 - 13:00 EST (15:00 - 17:00 UTC) activating a different Lighthouse each day then perhaps again a bit later 20:00 - 21:00 EST (00:00 - 01:00 UTC) activating Gannet Rock (I have a clear view of the light from the Cottage).

QSL to VE3WMB for a special card (Callbook/QRZ.com address),  
Via bureau, or direct [ #10 SASE (\$0.65 Canadian Stamp for US addresses)  
or #10 SAE with 1 IRC appreciated]. Queries to VE3WMB@rac.ca

If the propagation gods cooperate, I hope to work a number of you.

Cheers,

Michael, VE3WMB (ARLHS # 428)

P.S. Please don't repost this to ARLHS, PSK31 or QRP-L lists as I have already cross-posted it to cover off potentially interested parties.  
My apologies to those of you who see this more than once due to subscriptions to more than one of these lists.

P.P.S. Thanks to Ted, W8TTS (the keeper of the ARLHS Official list of World Lighthouses)  
for allocating a number for the Long Point Light on Whitehead Is. in time for my trip.

-----  
Date: Fri, 23 Aug 2002 11:27:18 -0400  
From: Michael Babineau <michael.babineau@sympatico.ca>  
To: qrp-l@lehigh.edu  
Subject: [133138] Suggestions, Operating Portable with Laptop Computer outdoors?  
Message-ID: <CFA216A9-B6AC-11D6-98CA-00039309268A@sympatico.ca>

Mime-Version: 1.0 (Apple Message framework v482)  
Content-Type: text/plain; charset=US-ASCII; format=flowed  
Content-Transfer-Encoding: 7bit

Hi :

I'm looking for suggestions on how to shield my laptop from the sun when operating portable, outdoors in full sun.

As any of you who have tried to do this know, it is practically impossible to read an LCD screen in direct sun.

I'm looking for some advice from people who may have solved this problem while operating field day etc.

My current thoughts are to use an appropriately sized cardboard box, but that could be a bit bulky and may present other challenges due to the wind. It is the best idea I have been able to come up with on my own so far.

Leaving the laptop at home is not an option ... I plan to operate PSK31!

Thanks,

Michael, VE3WMB

-----  
Date: Fri, 23 Aug 2002 08:25:32 -0700  
From: "Tracy Markham" <tracy@bytemark.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [133139] info age (Was:RE: Hobby costss, was: Interesting article and poll (Let me tell you about the "good" old days))  
Message-ID: <GNEOLGDJDOPEALHJMKLCIEMNCJAA.tracy@bytemark.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

But we truly do live  
in the information age

I'm sorry; I have to disagree with this.

If you look at the percentages of population that have various appliances, take TV and telephone, note that appx 99% of American households have a TV, yet only 98% of American households have a telephone.

Think about that for a second - a percent of American people think it's more important to have a TV than a telephone ... a TV is easier and cheaper to acquire and use than a telephone. (Considering the recurring bill)

According to the fellow that runs Oracle, (he did a killer presentation on this last year ...) we live in the 'age of the television' because across the globe, more people rely on the television to get information than telephones or other appliances. Yes, that even includes radio.

Look at percentages of households that have a computer, vs the percentages that have their computer hooked to the internet, vs internet connected people who have broadband access. You will see by these numbers WHY things like webTV and other methods of combining TV and internet look so lucrative to the manufacturers and service providers.

Take that to a global scale, sorry, we do NOT live in the information age YET. But we're getting there.

SOME of us are seeing first hand what the information age will be like, living on the broadband. But once you really look at the percentages globally, we have a long way to go.

Tracy N4LGH

-----  
Date: Fri, 23 Aug 2002 11:40:56 -0400  
From: Ed Tanton <n4xy@earthlink.net>  
To: michael.babineau@sympatico.ca,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [133140] Re: VE3WMB/VE9 Grand Manan Island Lighthouses QRP Special  
Event, Sept 1 to Sept 6  
Message-ID: <5.1.1.6.2.20020823113927.037b63b8@pop.earthlink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Why in the world would you limit your operation(s) to PSK-only Michael?  
What about the rest of us?

At 11:10 AM 2002-08-23, Michael Babineau wrote:

>I will be activating five Lighthouses on the Island of Grand Manan N.B.  
>during the week of Sept 1st to September 6th.  
>  
>Operation will be on or about 14.071 MHZ as VE3WMB/VE9.  
>Note, this will be a 20M PSK31 (QRP) only operation.

>  
>

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY  
189 Pioneer Trail  
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by  
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

-----  
Date: Fri, 23 Aug 2002 11:57:25 -0400  
From: David Hinerman <WD8CIV@worldnet.att.net>  
To: qrp-l@lehigh.edu  
Subject: [133141] Re: Suggestions, Operating Portable with Laptop Computer  
outdoors?  
Message-ID: <5.1.0.14.1.20020823114819.00b1ea80@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:27 AM 8/23/2002 -0400, you wrote:

>I'm looking for suggestions on how to shield my laptop from the sun  
>when operating portable, outdoors in full sun.

Michael,

If the weather there is the same as it's been here (upstate NY, right on  
Lake Ontario) I'd recommend a big shade tree as a start. Today isn't too  
bad, but the few weeks before this one have been brutal.

>As any of you who have tried to do this know, it is practically  
>impossible  
>to read an LCD screen in direct sun.

This is true of the modern color LC displays that (apparently) use a  
backlight. Older monochrome LCDs needed external illumination, and sunlight  
was ideal. But that doesn't help your existing computer.

Have you considered one of those metallized windshield sunshades that people use to shade the car interior when it's parked in the sun? The metallization will block most solar radiation, and the sunshade I have is made from a thin closed-cell poly foam that's quite light and about as rigid as thin cardboard. It folds accordion-style to make a package about 1" thick, 6" wide, and 18" long (all dimensions approximate). Unfolded it's about 5' long and 18" high. It's lightweight, so wind may still be a problem, but a couple of flexible fiberglass poles might be pressed into service to make a support structure.

Good luck, and let us know what you come up with!

Dave

-----  
"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton  
-----

Dave Hinerman  
WD8CIV@att.net

-----  
Date: Fri, 23 Aug 2002 12:05:03 -0400  
From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>  
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>  
Subject: [133142] BUBBA Results  
Message-ID: <F9351DA9F0F6D41187410090277B3EB307D306BF@ev008msxaege.ae.ge.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Can anyone point me to where I could find last years BUBBA Sprint results?

Mark, AA4MF

-----  
Date: Fri, 23 Aug 2002 12:27:31 -0400  
From: "Charles Mabbott" <aa8vs@msn.com>  
To: michael.babineau@sympatico.ca, qrp-l@lehigh.edu  
Subject: [133143] re: mobile question answer after a fashon  
Message-ID: <F23r0dSHpVyLridnGiA000005eb@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

How about that! Sounds great to me, I will have to pass that along to my buddies that use the LDG tuner. I only went by what the fellow at LDG said. Apparently he was being conservative, nice to pop things like that to the list now and then. Sanity check, if you know what I mean. Still happy with SG 239 but great information, thanks alot!

73 oo

Chuck AA8VS

>From: Michael Babineau <michael.babineau@sympatico.ca>  
>Reply-To: michael.babineau@sympatico.ca  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: re: mobile question answer after a fashon  
>Date: Fri, 23 Aug 2002 09:39:20 -0400  
>  
>Charles Mabbott" <aa8vs@msn.com> wrote :  
> > I posed this same  
> >question [102" whip from RS] to both SGC and LDG.  
>  
> >The response I got back was SGC is no problem as it has an extremely wide  
> >range of loads it can match. Approximately .2 to 5,000 impedance  
> >matching range.  
>  
> >The response I got back from LDG was they have an insufficient range of  
> >capacitive and inductive reactance.  
>  
>FYI ... I have used a 102" whip mounted on a tri-magnet mount on the roof  
>of my stationary Subaru Outback  
>to work 10m - 40m using the Original LDG QRP Autotuner. I recall working a  
>number of VT stations on CW with  
>this setup @5W during the VT QSO party a few years back ... no problems  
>matching.  
>  
>  
>Michael, VE3WMB

"If your not part of the solution,  
there is good money to be made  
prolonging the problem."  
<http://68.43.100.7:81/aa8vs>

---

Join the world s largest e-mail service with MSN Hotmail.  
<http://www.hotmail.com>

-----  
Date: Fri, 23 Aug 2002 09:26:40 -0700 (PDT)  
From: Mark Prather <wb9hfk@yahoo.com>  
To: qrp-l@lehigh.edu  
Subject: [133144] cleaning aluminum?  
Message-ID: <20020823162640.27322.qmail@web14608.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Fellow QRPers,

I am going to be refurbishing an older 14AVQ in preparation for installing it soon. In the past I've seen a thread on the recommended methods for cleaning the aluminum, especially the joint areas. I seem to recall that there may have been some preferred 'cleaner', and I would appreciate comments.

Thanks in advance.

73,

Mark

=====  
Mark A. Prather - WB9HFK  
QRP ARCI # 9472 --- QRP-L # 1159  
NORCAL --- ARRL  
Champaign-Urbana Astronomical Society

-----  
Do You Yahoo!?  
Yahoo! Finance - Get real-time stock quotes  
<http://finance.yahoo.com>

-----  
Date: Fri, 23 Aug 2002 12:40:56 -0400  
From: Bruce Muscolino <w6toy@erols.com>



To: w2wurjj@verizon.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [133145] Re: Technical Articles v. "Adverteasing"  
Message-ID: <3D666598.ACB175EB@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Oh lordy, we poor QRPers! The whole world is loaded against us! QST does not publish that many construction articles, and those they do publish are not too well received! They are responsible for the dumbing down of ham radio!

BULL! (I could say what I really think but this is a family list!)

WE ARE AT FAULT. Yes, I have seen the enemy and we are it!

For the last 10 years, at least. I have been a strong advocate of publishing your projects in QST, or at least asking them if they are interested first! What have I heard? Well, QST wouldn't be interested in our projects. Better we should publish in the QRP journals, that's where the interest in!

Now, I am not knocking QRPP or QRP Homebrewer, or the ARCI here. They do a good job with what they have. They have actually come to look like professional journals. BUT, what is the one thing wrong with professional journals? They don't have circulation! The combined total of QRP readers is probably about 5000. Maybe it is twice than many, maybe triple, but the overall ham population is in the millions! How do you intend to spread the word unless you tell it to those who are interested, even a little bit!

It is a well proven fact of opinion research that you can only change an opinion a little bit at a time! Constant messages are the answer, not the isolated article!

There is much made of the overall lack of a technical background for hams. Really, does it really matter whether I want to be a pioneer or an appliance operator? Hams memorize the tests and then forget them as soon as the license comes in the mail!

Really? I memorized my test questions back in 1956. but I also had the desire to learn what they meant! Why don't other hams have the same desire. Why, in this information age, do they say I can get it all off the internet, and shun taking classes at their local fault education center? Do they think going to a class will make them dumber?

And we have had a couple of significant changes in technology since I

graduated from college. I was trained in vacuum tube technology, schools being several years behind industry! When I went to my first job I was given a transistor! I had to start all over again and relearn everything! Fortunately I was able to do that, or I could have become just another meter watcher, at the same pay

Since then we have seen the transistor, the integrated circuit, and the surface mount device come along. True, all of them are based on transistor technology, but it is a much more difficult thing to solder a surface mount 2N2222 than an old through hole device!

I can also remember when WRL would sell you whatever you wanted for 10% down and 10% per month. Henry Radio didn't even charge the 10% down, you were a ham and they trusted you! But then along came the credit card, and credit card fraud. And money started to cost more and more to use!

How much of the information age would be present without the eases of Credit?

Oh, why the lower number of telephones compared to TV's? Your TV does not ring in the middle of dinner with some mindless offer to buy something! But then again, as a wheelchair bound person, I would not want to fall in one part of my house and have to crawl to the computer somewhere else! I had enough trouble Monday night reaching the rescue squad to help me up after I took a fall!

73

-----  
Date: Fri, 23 Aug 2002 10:51:46 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: qrp-l@lehigh.edu  
Subject: [133146] RF Gain Control Con't  
Message-ID: <Pine.LNX.4.44.0208231042560.2501-1000000@Daisy.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I got busy and looked at what I can do to attenuate the noise and signal RF levels entering the receiver on a Yaseu FT-817. What I found was a Pre-amp for the receiver that you can turn off on all bands below 30 MHz ( it always works on the higher frequencies).

Also you can insert a 10 DB loss circuit in the input to the receiver! This is a push button thing.

The RF Gain control is a bias placed on the AGC system that acts on several of the IF stages.

So it's possible and often good to use these devices to drop the noise to a level low enough that the AGC can handle it.

— —

72, Karl K5DI

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|_ _ _ |_ _ ||_| \ | \ | \ _ _ _ / / _ / \ \
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Date: Fri, 23 Aug 2002 13:18:45 -0400  
From: W2AGN <w2agn@w2agn.net>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [133147] Re: RF Gain Control Con't  
Message-ID: <3D663635.8916.F4DD1CD@localhost>  
MIME-version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

On 23 Aug 2002 at 10:51, Karl F. Larsen wrote:

```
>
>   So it's possible and often good to use these devices to drop the
> noise to a level low enough that the AGC can handle it.
>
```

Duh!?

— —

John L. Sielke  
 ( W ) ( 2 ) ( A ) ( G ) ( N ) <http://www.w2agn.net>  
 \\_ / \\_ / \\_ / \\_ / \\_ / QRPARI, NJQRP, ARQrp, GQRP, RSGB  
 Ex- K3HLU, W7JEF, W4MPC, N4JS

-----

Date: Fri, 23 Aug 2002 12:15:50 -0500  
From: MIKE SOUHRADA <wb9iog@revealed.net>

To: wb9hfk@yahoo.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [133148] Re: cleaning aluminum?  
Message-ID: <3D666DC6.A81C6194@revealed.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Mark Prather wrote:

>  
>  
> Fellow QRPers,  
>  
> I am going to be refurbishing an older 14AVQ in preparation for  
> installing it soon. In  
> Mark  
>  
I remember that one I had recommended scotch brite and others said that  
Hy Gain has endorsed it also.  
In addition if you want to really clean it up after the Scotch Brite  
use a product by Burnshine called aluminum brightener. \$3.99 @ True  
Value.  
Takes off the oxidation.  
Then I'd use the antisize material to join the sections, don't recall  
what it's called. Still have a small can left from my beam.  
Helps maintain conductivity between sections.

Mike  
Iowa

-----  
Date: Fri, 23 Aug 2002 17:37:11 +0100  
From: "k8cv" <k8cv@netzero.net>  
To: "Qrp-L Posts" <qrp-l@lehigh.edu>  
Subject: [133149] Fw: cleaning aluminum?  
Message-ID: <005401c24ac3\$5545a160\$18989840@waltamos>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

And then once in is like new and all assembled and ready to go up give it a  
spray of clear KRYLON and then two days later put it up, but wear your sun  
glasses :-)

Walt Amos K8CV Royal Oak, MI.

----- Original Message -----

From: "MIKE SOUHRADA" <wb9iog@revealed.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, August 23, 2002 18:15

Subject: Re: cleaning aluminum?

> Mark Prather wrote:

> >

> >

> > Fellow QRPers,

> >

> > I am going to be refurbishing an older 14AVQ in preparation for

> > installing it soon. In

> > Mark

> >

> I remember that one I had recommended scotch brite and others said that

> Hy Gain has endorsed it also.

> In addition if you want to really clean it up after the Scotch Brite

> use a product by Burnshine called aluminum brightener. \$3.99 @ True

> Value.

> Takes off the oxidation.

> Then I'd use the antisize material to join the sections, don't recall

> what it's called. Still have a small can left from my beam.

> Helps maintain conductivity between sections.

>

> Mike

> Iowa

>

-----  
Introducing NetZero Long Distance

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Sign Up Today! [www.netzerolongdistance.com](http://www.netzerolongdistance.com)

-----  
Date: Fri, 23 Aug 2002 10:47:34 -0700

From: "Ian Wilson" <ianmwilson@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [133150] Monitoring 6m - summary

Message-ID: <003b01c24acd\$2a0ad7e0\$0b02a8c0@trabucoserver>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Lots of useful suggestions here, let me see if I can summarize:

- use TV on channel 2
- various transverter/receiver kits (Hamtronics or TenTec)
- CB conversions (lots of interesting & very detailed stuff out there)
- 6m converters from RSGB VHF manual
- direct conversion RX
- regenerative RX
- use PRS radio to monitor 49MHz

If I had a spare SSB CB rig I'd probably look at one of the conversions, since they look interesting, and would give the CB rig something useful to do. Unfortunately only have AM flavour CB rigs.

I've done a couple of DC front ends, so it's tempting to do a regenerative RX for fun. However, I want to set this thing up and then ignore it until I hear band activity. This means that the frequency and regen settings should be relatively stable once set. The impression I have of regenerative RXs is that you have to tweak them constantly. Or is this only true of designs that don't have a stage of isolation between the antenna and the regenerative detector?

Once again, thanks for all the leads, much interesting stuff to look at.

72 de ian, K3IMW/6

-----  
Date: Fri, 23 Aug 2002 14:03:21 -0400  
From: Tim ORourke <TORourke@kaiserft.com>  
To: "'qrp-l@Lehigh.EDU'" <qrp-l@lehigh.edu>  
Subject: [133151] Re: cleaning aluminum?  
Message-ID: <0514B74864ACD511934400508BBB5E3415F86B@EMAIL1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Go to an automotive paint store that also serves aircraft and industrial accounts. Dupont makes a 2 solution liquid cleaner- neutralizer product. Dilute cleaner per instructions and wash parts until aluminum is very bright. Wash repeatedly with warm water and use compressed air to blow out any seams. Then dilute neutralizer, which is actually what we refer to as

chemfilm in aero, swab or dip parts until they have a gold tone. Wash and blow out seams agn. Paint as soon as possible. Another way we used on rocket housings and shuttle parts is to scrub parts with industrial strength ajax cleanser until water no longer beads up. Wash and blow dry. As for paint try and use a zink chromate epoxy primer over bare aluminum applied as soon asap after cleaning. Then u can use abt any paint as final coat.  
Tim O'Rourke W4YN

-----  
Date: Fri, 23 Aug 2002 14:05:31 -0400  
From: Tim O'Rourke <TORourke@kaiserft.com>  
To: "'qrp-1@Lehigh.EDU'" <qrp-1@lehigh.edu>  
Subject: [133152] Re: Rain on the Rock-Mite parade .....  
Message-ID: <0514B74864ACD511934400508BBB5E3415F86C@EMAIL1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"

Should be an easy hop from NC. Want a sked?  
Tim W4YN

-----  
Date: Fri, 23 Aug 2002 10:29:19 -0800  
From: Jim Larsen - AL7FS <AL7FS@arrl.net>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [133153] Re: Rock-mite: 20 Meter version from Alaska  
Message-ID: <3D667EFF.E3718EE8@ARRL.NET>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

I was shipped the first 20 meter Rock-mite to go out the door and it will be fun to try to make contacts from Alaska on that band. A 40 meter Rock-mite would be a useless effort from up here but the 20 meter one should work.

I hope to work you folks Rock-mite to Rock-mite at some point. I guess this means the K2 has to go up on the closet shelf? Nah, not a chance.  
:-)

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska  
(BP51cc) - 61.101 North, 149.824 West

ex-WA0LPK AK-QRP#003 SOC#003 10-X-#12094  
mailto:al7fs@arrl.net - <http://www.qsl.net/al7fs/>

Dave Benson wrote:

> I've revised my website to reflect availability of the 20M version of the  
> Rock-mite, and I can begin shipping these immediately.  
> Dave Benson, K1SWL  
> dave@smallwonderlabs.com

-----  
Date: Fri, 23 Aug 2002 14:52:03 -0400 (EDT)  
From: Thom LaCosta <baltimoremd@baltimoremd.com>  
To: W2AGN <w2agn@w2agn.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [133154] Re: RF Gain Control Con't  
Message-ID: <20020823144832.H58248-100000@unix1.vhost.min.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 23 Aug 2002, W2AGN wrote:

> On 23 Aug 2002 at 10:51, Karl F. Larsen wrote:  
>  
> >  
> > So it's possible and often good to use these devices to drop the  
> > noise to a level low enough that the AGC can handle it.  
> >  
>  
>  
> Duh!?

But, at no times do my hands leave my arms, except when using fake email addresses

Thom

These domains cost Zero dollars, even though they look fake

[www.k3hrn.baltimore.md.us](http://www.k3hrn.baltimore.md.us)  
[www.qrp.baltimore.md.us](http://www.qrp.baltimore.md.us)



-----  
Date: Fri, 23 Aug 2002 19:30:25 GMT  
From: na5n@zianet.com  
To: qrp-l@lehigh.edu  
Subject: [133155] RF/IF Gain Control  
Message-ID: <20020823193027.8885.qmail@zianet.com>  
Mime-version: 1.0  
Content-type: text/plain; charset="us-ascii"

Gang,

Few receivers today have true RF gain control, but rather IF Gain as George W5YR tried to explain the otherday. Today's receivers use a combination of RF Gain (IF actually) and input attenuators, and here's why:

The majority of a receivers performance, that is, sensitivity, noise figure, dynamic range, IP3, P1dB (1dB compression point) and hence the overall gain "headroom," is established by the first mixer. There is a misconception out there, due in part I think to statements in the QRP books by Doug DeMaw, that RF amplifiers in front of the mixer of a QRP rig is a big no-no because it will overload your receiver easier. True, if you use no RF gain or AGC, and especially with an active mixer, such as the NE602 or MC1496, as used in many of the earlier designs.

When using an active mixer (again, like the NE602), it will have a far LOWER IP3 and compression point than the RF amplifier in front of it. The NE602 data sheet shows an IP3 of -15dBm, implying the 1dB compression point where distortion and IMD begins is about -27dBm (12dB below IP3). If you place a 20dB amplifier in front of the NE602, then you effectively lower the P1dB to -47dBm ... OUCH. Strong signals, even those far away from your operating frequency, will drive the NE602 into compression.

Now if you build a really simple RF amplifier from a 2N2222/2N3904 transistor, you will achieve a P1dB of about 0dBm to +10dBm, or far ABOVE the P1dB of the NE602 mixer. Thus ... the limiting factor in a QRP rig for compression points (and hence dynamic range) is the mixer, NOT the RF amplifier. The exception to this is those rigs using a high IP3 passive mixer, such as the MiniCircuits SBL, SRA, TUF or ADE series, which have an IP3 around +17dBm ... meaning the P1dB is about 12dB less or about +5dBm. Gee, this is still about the P1dB of the RF amplifier.

Following the mixer, are IF amplifiers and IF filtering. Another consideration is not to overdrive an IF filter. Too much power into a filter causes a host of problems of their own ... strong reflections (meaning a high SWR), a shift in input/output impedances, poor filter shape performance, high noise levels, etc. So you want to control the

amount of power going through your filters and IF amplifiers as well. In most QRP kits, this is not a strong concern, since IF amplifiers are seldom used, so fairly weak signals are leaving the mixer, going through the crystal filter to the product detector. But in a good commercial rig, there ARE several IF amplifier stages that if operating at full gain, could overdrive the filters for distortion and poor performance on top of everything else.

So what do you do to address these problems?

1. Instead of RF gain, use IF gain to control the power leaving the mixer and being applied to the IF amplifiers and filter stages, to ensure you are not driving any of these stages into compression. The IF gain does this (though labeled RF gain on many rigs).
2. Place input attenuation in front of the RF amplifier to keep strong signals from overdriving the mixer (not the RF amplifier). In a sense, this is defeating the gain provided by the RF amplifier for strong signal work.

So IN PRACTICE, here's what all these knobs (or more accurately, the MENU functions!) are for:

FOR WEAK SIGNAL WORK, not in the presence of strong signals ... turn off the input attenuators, turn on the RF amplifier (if an option) and set the IF gain control for a normal reading on the S-meter for noise level. That is, with no input signal, set the IF gain for S3-S4 noise level, as you think it is. This is properly setting the gain through the IF amplifiers to be on the bottom end of the AGC ... that is, you will have nearly the full range of AGC available to you as you tune across weak and strong signals. Your IF gain control should be towards the minimum end (50% gain point on the knob or less), which will give you still plenty more of RF/IF gain margin for that REALLY weak signal!

BTW ... weak signal DX hint: on a really weak or QSB DX contact, turn off your AGC and crank up the RF/IF gain for the best signal-noise you can get. Otherwise, with the RF gain cranked up on a weak signal, the AGC may still be knocking it back down!

FOR NORMAL SIGNAL WORK, such as a fairly good night on 40M with decent noise levels and S7-S9 signals, there is really no need for the RF amplifier to be turned on. The IF gain still provides more than ample gain for the weaker signals for good copy, plus you will not be introducing the 4dB or so of noise caused by the RF amplifier. That is, the RF amplifier will have a 3,4 maybe 5dB noise figure. This means it is adding 3-5dB of noise on top of the signal gain. That's OK if your RF amplifier is at +20dB, meaning you are amplifying the signal 15dB or so above the noise. But with the RF amplifier on and the gain cranked down to almost nothing, the 3-5dB of noise is STILL being introduced.

More noise is getting through than signal. You don't need that. If you can't turn off your RF amplifier, than add a modest amount of input attenuation (6dB or so) to knock down the gain of the RF amplifier for a better signal-noise ratio.

FOR STRONG SIGNAL WORK, turn off the RF amplifier and turn on the input attenuators. Gain control will be strictly by the IF gain control. Remember, we are not necessarily talking about a strong signal for the station you are working, but strong signals present elsewhere on the band that are getting through the RF amplifier, mixer and on to the IF filters. These will cause problems, whether evident to you or not. As a minimum, these "unheard" strong signals may be influencing your AGC, and dropping the overall gain to the signal you ARE trying to work.

Another way to say all of this ... use your input attenuators to reduce the signal power getting to the mixer for the highest possible dynamic range with strong signal environments. For weak signals, turn on the RF amplifier. Who cares about the degraded dynamic range, since you are working with signals well below the compression/IMD points anyway? Control the signal levels going INTO the mixer with the input attenuators, and control the signal levels from the mixer onward with the IF gain control. The proper combination will yield the best signal-noise ratio. The RF amplifiers are great for digging out those weak signals and driving the mixer a bit harder, but really should not be used for normal to strong signal environments.

BAND NOISE. Some nights, the noise levels on the bands, particularly 40-80M, can be pretty awful. Then add the crashing noise bursts from a geomagnetic storm on top of it, and it can get pretty frustrating trying to work a station. Consider high noise levels as a strong signal environment!!! With high noise conditions, turn-off the RF amplifier, insert a little input attenuation, use the minimum IF gain you can, and control most of your gain functions with the audio gain control. This is removing some of the noise figures being added by the RF and IF amplifiers for a better signal-noise ratio. That noise will still be there crashing away, but believe it or not, the signal-noise ratio will be better, and the signal-noise ratio is what we are REALLY trying to do to work a weak station.

We all have a tendency to kick in all the gain features our commercial rigs have to work a weak station, but hopefully the above descriptions will make sense on how, in reality, it can really hurt you. The bottom line is to use the MINIMUM amount of RF and IF gain you can to work a station ... even a weak one on a noisy band.

On my FT-817, for most nights on 40M, I turn off the RF amplifier (IPO function), and set the RF/IF gain for about an S3 reading on the noise. This tends to be about at the 1/3 gain setting. Then all subsequent

gain changes is done strictly with the audio gain control. On a "normal" night, I'll set the AGC to slow; for noisy nights, I'll shift to FAST AGC, or just turn the thing OFF so the static crashes are not driving the AGC rather than the signal. Then, if be, will turn on the input attenuator if a nearby station is causing some problems, or in noisy conditions, to see if it improves the signal-noise ratio. Once I turn the front-end attenuators on, I readjust the RF/IF gain control for the same S3 reading (where the signal-noise improvement is noted or not).

Lastly, I have great respect for the contributions to this hobby made by Doug DeMaw. Years later, his circuits are still being made and QSO's are being made. What a great testament to his work. I do believe his opinion on avoiding RF amplifiers was a bit strong, and certainly interpreted by many as gospel. That is the only issue I have with one of the true QRP greats.

72, Paul NA5N

PS - Well, there goes my PacifiCon talk! I guess I'll have to think up something else now. Maybe transmitters?

-----  
Date: Fri, 23 Aug 2002 13:38:14 -0600 (MDT)  
From: "James P. Rybak" <jrybak@mesastate.edu>  
To: qrp-l@lehigh.edu  
Subject: [133156] Ramsey QAMP Linear Amps??  
Message-ID: <Pine.LNX.4.21.0208231332590.22809-1000000@mesastate.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Has anyone tried the Ramsey QAMP linear amplifiers for raising a QRP transmitter output to 5-20 watts when conditions necessitate it? If so, what is your impression of the Ramsey linear amplifiers, especially the 20 meter version? Are there any "problems" with these amplifiers?

Thanks.

Jim Rybak W0KSD

-----  
Date: Fri, 23 Aug 2002 19:42:29 +0000

From: Arthur Moe <kb7ww@easystreet.com>  
To: wb9hfk@yahoo.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [133157] Re: cleaning aluminum?  
Message-ID: <3D669025.509E35F2@easystreet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Use a Scott Bright (sp) pad. DO NOT USE STEEL WOOL.

Art  
KB7WW

Mark Prather wrote:

>  
>  
> Fellow QRPers,  
>  
> I am going to be refurbishing an older 14AVQ in preparation for  
> installing it soon. In the past I've seen a thread on the  
> recommended methods for cleaning the aluminum, especially the joint  
> areas. I seem to recall that there may have been some preferred  
> 'cleaner', and I would appreciate comments.  
>  
> Thanks in advance.  
>  
> 73,  
>  
> Mark  
>  
> =====  
> Mark A. Prather - WB9HFK  
> QRP ARCI # 9472 --- QRP-L # 1159  
> NORCAL --- ARRL  
> Champaign-Urbana Astronomical Society  
>  
> -----  
> Do You Yahoo!?  
> Yahoo! Finance - Get real-time stock quotes  
> <http://finance.yahoo.com>

-----  
Date: Fri, 23 Aug 2002 14:47:51 -0500  
From: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>

Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [133158] BUBBA web site?  
Message-ID: <4120028523194751657@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Hate to use the BW, but could someone please post the url for the BUBBA contest? For some reason I am not finding it. Sure would like to put a signal in for some of it, even if our temp does not go much above 70F [g]. Thanks in advance.

73,  
--Doc/K0EVZ

-----  
Date: Fri, 23 Aug 2002 12:54:12 -0700 (MST)  
From: cyr999@extremezone.com  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [133159] FS: NIDA 440 function generator \$150 plus shipping  
Message-ID: <1030132452.3d6692e49e545@webmail.extremezone.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 8bit

Hi folks -  
I have given up on having the time to learn to use this equipment. I have never used a function generator and am ignorant about it..so as far as I know it is in good shape and works well but I don't know enough about it to prove it so this must be an "accept as is" sale. I am asking what I paid for it plus shipping. I would guess shipping at around \$20. Thanks for reading. Tim NZ7C

-----  
Date: Fri, 23 Aug 2002 15:48:03 -0400  
From: Nils R Young <nilsbull@juno.com>  
To: QRP-L@lehigh.edu  
Subject: [133160] Interesting email addresses

Message-ID: <20020823.154809.-243545.0.nilsbull@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Gang,

Well, in addition to my password being compromised again (call the CIA!), it now appears that someone has started sending me emails with unopenable audio or video media from addresses that mimic ham callsigns.

Like I need more crap to go through! Why you think I don't post that much any more? Some people need some time off, even from me!

And it may well be time to swipe out the hard drive & reconstruct from a more pristine back up condition.

Ah, what some folks do for fun!

73

Nils

-----  
Nils R. Bull Young -- W8IJN -- La Estancia de los Guajolotes Sonrientes  
http://w8ijn.tripod.com -- http://members.fortunecity.com/nilsbull  
"The island is closer than your memories are." -- Ian G. Bull Young, 15  
Feb 2002

-----  
GET INTERNET ACCESS FROM JUNO!

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http://dl.www.juno.com/get/web/.

-----  
Date: Fri, 23 Aug 2002 15:50:29 -0400

From: W2AGN <w2agn@w2agn.net>

To: na5n@zianet.com,

Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [133161] Re: RF/IF Gain Control

Message-ID: <3D6659C5.24133.FD8C35A@localhost>

MIME-version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Content-description: Mail message body

On 23 Aug 2002 at 19:30, na5n@zianet.com wrote:

>  
> PS - Well, there goes my PacifiCon talk! I guess I'll have to think up  
> something else now. Maybe transmitters?  
>  
>  
>

How about "Comparisons of the EH Antenna and a 44' Zepp?"

or

"Ear cleaning, the First Step for DX Reception?"

--

/\ /\ /\ /\ /\ John L. Sielke  
( W )( 2 )( A )( G )( N ) <http://www.w2agn.net>  
\\_/\_/\_/\_/\_/ QRPARCHI, NJQRP, ARQrp,GQRP,RSGB  
Ex- K3HLU, W7JEF, W4MPC, N4JS

-----  
Date: Fri, 23 Aug 2002 15:52:31 EDT  
From: IamSF5@aol.com  
To: qrp-l@lehigh.edu  
Subject: [133162] Can anyone/will anyone help,PLEASE  
Message-ID: <f3.200999ef.2a97ec7f@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I need info on the MP-1 antenna as the instructions leave a lot out on the setup of the radials

So here are my questions.

1,Does the antenna have to be insulated from ground?

The radials I have came as 4 wires,insulated and bonded together.

Am I supposed to peel these apart?

B&W says their window antenna can only be used with the measured radial supplied and because the window mount is part of the counterpoise and the antenna must be insulated from ground and no other counter poise wires added.

QUESTION 2.

My friend works in a machine shop and made me 4 four foot aluminum sections like the one that came with the MP-1.

I was told that the bottom rod has no affect on the antenna but the longer the better.



Any help is greatly appreciated and I'm gearing up for some late summer and winter back packing.

TIA

Bob

AF2Qrp <tm>

-----  
Date: Fri, 23 Aug 2002 12:51:58 -0700 (MST)  
From: cyr999@extremezone.com  
To: qrp-l@lehigh.edu  
Subject: [133163] FS: Tektronix 465M oscilloscope \$320 plus shipping  
Message-ID: <1030132318.3d66925e39bce@webmail.extremezone.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 8bit

Hi folks -

I have given up on getting the time to learn to use this scope. I am technically not capable of telling you about it, but my engineering friend checked it out and says it seems to be A-OK and that the screen was probably replaced recently because it is nice and bright. Since I don't know enough about it this is an "accept as is sale". It does not have a carrying handle or a field cover for the control panel. It comes with a copy of the complete original technical manual. It is heavy so shipping could easily be \$40-50 anywhere in the US. Thanks for reading.

-----  
Date: Fri, 23 Aug 2002 14:31:21 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: na5n@zianet.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [133164] Re: RF/IF Gain Control  
Message-ID: <Pine.BSI.3.96.1020823142442.28780A-1000000@usr02.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 23 Aug 2002 na5n@zianet.com wrote:

>

> When using an active mixer (again, like the NE602), it will have a far  
> LOWER IP3 and compression point than the RF amplifier in front of it.  
> The NE602 data sheet shows an IP3 of -15dBm, implying the 1dB compression  
> point where distortion and IMD begins is about -27dBm (12dB below IP3).  
> If you place a 20dB amplifier in front of the NE602, then you effectively  
> lower the P1dB to -47dBm ... OUCH. Strong signals, even those far away



Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [133165] Re: Monitoring 6m - summary  
Message-ID: <20020823204257.1299.qmail@web14205.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

One of the better ways to monitor 6m fulltime is to have an fm rec. set to 50.125 with the sq set just enough to silence the rec. With it set to fm, you monitor a wider piece of the band. Any SSB or CW on 50.125 or on either side will trip the sq. Without sq, the noise will drive you nuts.

73 and have fun

Bill kc4atu

-----  
Do You Yahoo!?  
Yahoo! Finance - Get real-time stock quotes  
<http://finance.yahoo.com>

-----  
Date: Fri, 23 Aug 2002 15:44:4 -0500  
From: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [133166] BUBBA site = found it :-)  
Message-ID: <412002852320444827@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Thanks to one and all for help locating the BUBBA web site. I plan on having a rig out there somewhere, though our temps are not supposed to be very high. Whatever, be sure to wear your ear protection against my monster signal (heh-heh!). GL everyone.

73,  
--Doc/K0EVZ

-----  
Date: Fri, 23 Aug 2002 21:18:02 GMT

From: na5n@zianet.com  
To: Chris Trask <ctrask@primenet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [133167] Re: RF/IF Gain Control  
Message-ID: <20020823211803.12083.qmail@zianet.com>  
Mime-version: 1.0  
Content-type: text/plain; charset="us-ascii"

Chris Trask writes:

> Now, if you were to use one of my feedback mixers, you would get  
> an IIP3 of over +30dBm while using an LO level of just 0dBm.

That is an excellent ratio to LO power. Then the RF amplifier (if used) would be the limiting factor.

Is it an active mixer, that is, with some conversion gain? Do you have a schematic of it on a website somewhere?

> I'm now working on the idea of linearizing variable gain  
> amplifiers, and this is proving to be the toughest problem of all as you  
> cannot have a linearizing closed loop. Tricky.

The ultimate challenge, in my opinion. Even with step attenuators, you can only approximate linearity, but of course, a bunch of pin diode attenuators gets expensive and tedious in a hurry :-)

Good luck with that challenge.

72, Paul NA5N

-----  
Date: Fri, 23 Aug 2002 16:25:26 -0500  
From: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>  
To: "qrp-l reflector" <qrp-l@lehigh.edu>  
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [133168] BUBBA url  
Message-ID: <4120028523212526876@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Gang:

Some said they did not receive the actual needed info re the BUBBA contest. Here is the url = <http://www.extremezone.com/~nk7m/bubba02.htm> . GL one

and all.

73,

--Doc/K0EVZ

-----  
Date: Fri, 23 Aug 2002 18:09:57 -0400  
From: "Alverson, Tom" <TomA@xetron.com>  
To: "'nilsbull@juno.com'" <nilsbull@juno.com>,  
      "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>  
Subject: [133169] RE: Interesting email addresses  
Message-ID: <7D72C1B2F7A3D21191F8006097149AC003072714@s3.xetron.com>  
MIME-Version: 1.0  
Content-Type: text/plain

If you are getting emails with odd attachments there is a good chance that they are viruses that were automatically emailed by an infected machine. The most popular email virus now is called KLEZ and it uses a bogus FROM address that is finds on the infected machine.

73 de Tom NU8D

-----Original Message-----  
From: Nils R Young [mailto:nilsbull@juno.com]  
Sent: Friday, August 23, 2002 3:48 PM  
To: Low Power Amateur Radio Discussion  
Subject: Interesting email addresses

Gang,

Well, in addition to my password being compromised again (call the CIA!), it now appears that someone has started sending me emails with unopenable audio or video media from addresses that mimic ham callsigns.

Like I need more crap to go through! Why you think I don't post that much any more? Some people need some time off, even from me!

And it may well be time to swipe out the hard drive & reconstruct from a more pristine back up condition.

Ah, what some folks do for fun!

73

Nils

-----  
Nils R. Bull Young -- W8IJN -- La Estancia de los Guajolotes Sonrientes  
http://w8ijn.tripod.com -- http://members.fortunecity.com/nilsbull  
"The island is closer than your memories are." -- Ian G. Bull Young, 15  
Feb 2002

-----  
GET INTERNET ACCESS FROM JUNO!  
Juno offers FREE or PREMIUM Internet access for less!  
Join Juno today! For your FREE software, visit:  
http://dl.www.juno.com/get/web/.

-----  
Date: Fri, 23 Aug 2002 15:29:32 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: na5n@zianet.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [133170] Re: RF/IF Gain Control  
Message-ID: <Pine.BSI.3.96.1020823152526.10223B-1000000@usr01.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 23 Aug 2002 na5n@zianet.com wrote:

> Chris Trask writes:  
> > Now, if you were to use one of my feedback mixers, you would get  
> > an IIP3 of over +30dBm while using an LO level of just 0dBm.  
>  
> That is an excellent ratio to LO power. Then the RF amplifier (if used)  
> would be the limiting factor.  
>  
> Is it an active mixer, that is, with some conversion gain? Do you have  
> a schematic of it on a website somewhere?  
>

Yes, it's an active mixer and the conversion gain can be adjusted by changing the ratio of the feedback transformers and the input balun. There is a full schematic in my article in the September 2000 issue of "Electronics World", but I cannot put it on my website due to copyright obligations.

[illegible]

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)  
<http://www.primenet.com/~ctrask>

Date: Fri, 23 Aug 2002 16:33:34 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qRP-L@lehigh.edu  
Subject: [133171] FOX: Log for Hunt 13 (N1FN)  
Message-ID: <3D6663DE.1799.142693C@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

Hunt 13 Log  
N1FN (ET)

|      |        |     |    |       |       |
|------|--------|-----|----|-------|-------|
| 0200 | WA9TZE | 559 | WI | JIM   | 5W    |
| 0201 | K7IE   | 579 | OR | CLAIR | 5W    |
| 0201 | N0UR   | 559 | MN | JIM   | 5W    |
| 0202 | AG0T   | 559 | ND | TODD  | 100mw |
| 0202 | K0FRP  | 579 | CO | AL    | 5W    |
| 0203 | N5ZE   | 559 | TX | LEW   | 5W    |
| 0203 | N3XRV  | 559 | PA | CHRIS | 5W    |
| 0204 | K3IU   | 559 | RI | KEN   | 5W    |

|      |          |                   |
|------|----------|-------------------|
| 0204 | VE5RC    | 599 SK BRUCE 5W   |
| 0205 | K9IUA    | 559 IA KEVIN 5W   |
| 0206 | K8HJ     | 599 MI JOHN 5W    |
| 0207 | K3PH     | 559 PA BOB 5W     |
| 0207 | K5ZTY    | 559 TX BILL 5W    |
| 0208 | W9XU     | 559 WI LON 5W     |
| 0208 | VE3FAL   | 559 ON FRED 5W    |
| 0209 | W4NJK    | 559 CA CHARLIE 5W |
| 0209 | W5TB     | 559 TX DOC 5W     |
| 0210 | WE9K     | 559 WI GLENN 5W   |
| 0211 | W5USJ    | 559 TX CHUCK 5W   |
| 0211 | K5DW     | 559 TX DON 5W     |
| 0212 | K4FB     | 579 FL PAUL 5W    |
| 0212 | KG4LDY   | 559 VA JIM 5W     |
| 0213 | KB7WW    | 559 OR ART 5W     |
| 0214 | N3BJ     | 559 VA ALAN 5W    |
| 0214 | N9NE     | 579 WI TODD 100mw |
| 0215 | KC1FB    | 559 CT JIM 1W     |
| 0215 | N4DD     | 559 TN DENNIS 5W  |
| 0218 | KI0II    | 559 CO RON 2W     |
| 0218 | KK5LD    | 559 TX DAN 5W     |
| 0219 | W6ABC    | 559 CA JACK 5W    |
| 0220 | KD5KXF   | 559 TX MIKE 5W    |
| 0221 | AA50     | 559 LA VERN 5W    |
| 0221 | W5YR     | 559 TX GEORGE 52  |
| 0222 | K8DD     | 559 MI HANK 5W    |
| 0223 | K2ZN     | 529 NY AL 2W      |
| 0224 | N0TK     | 559 CO DAN 5W     |
| 0224 | K5TR     | 559 TX GEO 1W     |
| 0228 | W4XN     | 599 NC TIM 4W     |
| 0229 | KJ0C     | 559 MO JIM 5W     |
| 0231 | K5SR     | 559 TX DALE 5W    |
| 0231 | K5JHP    | 559 TX BILL 5W    |
| 0232 | VE6EX    | 559 AB DAN 5W     |
| 0233 | K5EDA    | 559 LA WAYNE 5W   |
| 0234 | K9DC     | 559 IN DAVE 5W    |
| 0239 | N5IB     | 539 LA JIM 5W     |
| 0243 | WD5RS    | 529 TX RUSS 5W    |
| 0245 | WA8BXN   | 559 OH MIKE 5W    |
| 0247 | NM5M     | 449 TX ERIC 5W    |
| 0248 | NQ7K     | 559 AZ MIKE 5W    |
| 0249 | K5YQF    | 559 TX CECIL 5W   |
| 0250 | WB7AEI   | 559 WA PHIL 5W    |
| 0253 | WA9PWP/1 | 559 MA PAUL 3W    |
| 0254 | W9UQB/7  | 559 AZ MIKE 5W    |
| 0258 | NK9G     | 599 WI RICK 5W    |
| 0259 | NF4PP    | 559 GA CHUCK 5W   |
| 0300 | W2DGD    | 559 PA LARRY 5W   |



0302 KI0RB 559 CO VINCE 5W  
0308 AB9CA 559 AL DAVE 3W  
0309 KG6CYN 559 CA STEVE 5W  
0314 K0IIN 559 CO JASON 1W  
0321 RA6AF 559 DX SEVA 100W  
0324 K7TQ 559 ID RANDY 100mW  
0325 K40AH 559 GA GARY 3W  
0328 KR0U 559 CO TIM 5W  
0334 AD9C 559 IN FRAN 5W  
0337 AC7A 559 AZ TOM 5W  
0338 VA6RF 559 AB EARL 5W  
0345 N2WW 599 CO LARRY 5W  
0355 VA6NJ 559 AB NIELS 5W  
0359 VE6CGO 559 AB RUSS 5W  
0400 KV2X 559 NY FOX 5W  
0400 N1FN 559 CO FOX 5W

-----  
73

Marshall Emm  
N1FN/VK5FN  
n1fn@MorseX.com  
Morse Express and Oak Hills Research  
"Everything for the Morse Enthusiast"  
<http://www.MorseX.com>  
<http://www.ohr.com>  
(303)752-3382  
--

-----  
Date: Fri, 23 Aug 2002 17:29:55 -0500  
From: Karl Kanalz <kkanalz@gcecispc.com>  
To: "'qrp-1'" <qrp-1@lehigh.edu>  
Subject: [133172] RE: Dirk H.H. Spennemann 2000 (Warning! Virus!)  
Message-ID: <01C24ACB.621ED700@KKANALZ>

This message has a virus attached to it!

Karl K - W8TIF  
McKinney, Texas  
(Happy Owner of Norton 2002 virus detector!)

-----Original Message-----

From: qrp-1 [SMTP:qrp-1@Lehigh.EDU]  
Sent: Friday, August 23, 2002 4:51 PM  
To: kkanalz@gcecispc.com

Subject: Dirk H.H. Spennemann 2000

<< File: ATT00000.html >> << File: 2000.wav >> << File: MESSAGE.TXT >> An error prevented processing the message to completion. The original message is contained in the attached file MESSAGE.TXT.

begin 600 WINMAIL.DAT

M>)\^(C(6`0:0" ` \$` ``````!``\$` `0>0!@`(```Y 0` ``````#H` `\$(@ <`  
M& ``\$E032Y-:-6-R;W-09G0@36%I;"Y.;W1E`#\$(`0V ! ``````0`!``\$`\$  
MD 8`6 \$` ``\$` ````0` ````P``, (````+``\.` ``````(!\_P\!````- ``````  
M` ``!`\*Q^DOJ,0&9UN`-T!#U0"``````' %R<"UL`%--5% `<7)P+6Q 3&5H:6=H  
M+D5\$50`>``(P`0` ````4` ``!33510` ``````!X` `S !` ````\$0` ````' %R<"UL0\$QE  
M:&EG:"Y%1%4` ``````P`5# \$` ````#`/X/!@` ``!X` `3 !` ``````" ````=Q<G M  
M;"<`@ \$+, \$` ``6` ``4TU44#I14E M3\$!,14A)1T@N1415` ````P` ``.0` ``  
M` ``+`\$ Z`0` ``!X`]E\!````!@` ``' %R<"UL` ````@`'W7P\$` ````T` ``````  
M`(\$K`Z2^HQ 9G6X`W0\$/5 (``````<7)P+6P`4TU44 !Q<G M;\$!,96AI9V@N  
M1415` ``,\_5\!``````P#`\_7P` ``````" ?8/`0` ````0` ````````"R3@!!( !`#\$`  
M` `!213H@1&ER:R!(+D@N(%-P96YN96UA;FX@,C P," H5V%R;FEN9R\$@(%9I  
M<G5S(2D`?@X! !8 #` `X` ``#2!P@`%P`1`!T`-P`%`&(!`2" `P` ``.````T@<(  
M`!<`\$0`<`"H`!0!4`0\$)@ \$` (0` ``#0Y,D(P,T(R0D)"-D0V,3%"-# P,# Q  
M,#1"1C\$Q,T-%` ````0.0!@!X"0` ``(@` ``L` ``@`!````"P`C` ``````#`"8`  
M`0` ``L` \*0` ``````P`N` ``````#`#8` ``````\$` ``.0! D.N:]\$K` ``1X`4` `!  
M` ``0` ````````>` ``0` ``# \$` ``!213H@1&ER:R!(+D@N(%-P96YN96UA  
M;FX@,C P," H5V%R;FEN9R\$@(%9I<G5S(2D` ``````@%Q` `\$` ``6` ````<)\*  
M])K:L@,K2[:[\$=:T` ``02`\_3\$S@` ``@`># \$` ````%` ``4TU44` ````>`!\,  
M`0` ``!0` ``!K:V%N86QZ0&=C96-I<W N8V]M` ``!A X([.)`P` '\$`!\!``>  
M` `@`0` ``&4` ``!42\$E334534T%`14A!4T%625)54T%45\$%#2\$5\$5\$)5\$M!  
M4DQ++5<X5\$E&34-+24Y.15DL5\$5805,H2\$%04%E/5TY%4D]&3D]25\$].,C P  
M,E9)4E531\$5414-43U(I+2TM+2U/``````(!"1 !````,P8` ``"&` ``#`(#@` ``  
M3%I&=ON+[1<#` `H`<F-P9S\$R-7(R#&!C,0,P`0<+8&Z1#A P,S,/%F9E#Y)/  
M`?<"I -C`@!C: K <X1E= +1<')Q,@` `DBH\*H6Y0\$E @, '0A0'0-@^@,#4P  
M-!0A\P'0%! T?0=M`H,`4 /4^Q`\_ \$PMB\$^\$44!.R&/04T\*`' \$P\* `I\$(YCL)  
M;S :W\_IE#C U' H=(1S?`>D;]/>\$AQ\_(\$@#1^/' ;\<#Q!@\_#(X)=HF\2:0  
M)[D;]"?BOR9/\*A\IW2E?)X\K5#D.4!\NI# !\*,P` `\*`<W1YZFP'D&@)X'0`  
M`!-0`\_!09&-T; JQ7#)889AD:G4Q< 409V@%0AT`4&,)P#)@`S!S;F6^>!<P  
M![ %L #` `G-S`%!8<V(R%% Q8&\$3`%SZ:PG@< N0,C\RHPA@,I#U"X!E,:!V  
M.1 !0#.;##?%B,G\3;P!\* +@&<G\326]&)A%Q!D`B U4#3V,=#S,Y [02 Q  
M,3,.4#9/-U\_\_.&\43FL`\* T:3P0/38Q)/\ /P#X\_/T] 7PY0.9]"OT//[C,"  
M@A,08S802K\$SD#U@)'1I.4 @1 \$0874J; 5 4 K 80G 87 X:"!&`B\$UU"5  
M9FGZ+0^0. % .../0T90,J-Z8@L@<@E046(6H%#B=\_8T)4\$7` `!T\$R",[])  
M\_] \U(4[03: %\$ (P+4Y `V\$0.B!4;U9P4W5B"FH%D`16<\$1A=&7Z.C74-D\/  
M4! ]1+U(\_4TG\_<\_ ]4PXA2K\$Z9@Y05"]5/N92.3\$7`2!(/4\$D#74\_C=8+UD\_  
M6D];73B\_7'\ /D,MH, C08@JP=#@Z10]4/T5P7G]?AFC 8)+4'D0[TY06W +  
M\$6\$<S74\* !A\_]C#V0?6V]37VH?:R\TT%:2>U8T5VDY;B\S/P,P:' ,YAW(/  
M7TIXP\$108W4'@/\", 703A ]Q&X?=S`%068"]WD?- .5Q\$5 +8E: -2\$:`=]\  
MLGP0?%!0P0& ;E;P`&`\_`"?!,L`K0`@SUD%T290#P2WK0,8!P`H!<=@B0=\_IK  
M"X!D:;`#L@3P!T 08;\!0 X` ;Y(],H45`A!0!4(W%R\$2\E> ;0M15X @0Z@Z  
M7%Q5P&]-\6U.0#<# \$` >0A\!-#> #8`-ON0& (\$\!( W@P!<B7;610#` `Q N

M2H!T@. 7\$+=\4#319C)X`4""\$6XQT/<:\(L4341C`R 2\P" !9#;\;'9!448P  
M#G UD(VB`9#\_`"".,H0!>Q\$!P8VA%N /<,\`\$8P#- !D" N&A\*-F/\.4(Y2  
M38!\H([/C]^0[P\_ WT8P!8&2CY.?E\*]L:;!&,.YLDD^7#Y@5\*9\$<)4"5[^.:  
MSY@\$8B H`I&:[XWC\_U@0F9^>7Y]0H'^.\$&'0H<+\_CI^C+Z0\_D1PH`\*' /IT^H  
M7\_^I;XX0=B"F3Z0?K.^M] KYCP,P? ]]'S18>U1H! #V( >!1;!G\$X 6X 0@  
MF&#]@![!RM2"W8 ) ` - QT#30:'10(\$S0(0J%"H5+>PK `R!+'S""\$4I03C @  
M(%<X5\$E&"H5-8^9+"X U\$'DL@')\*4 J%C[\*TLW^TCP5 >RA(3A#T<'F)8'<U  
M\$ 7 B3 U80^X@ .@`= 3H+>%`0!7@+VP^06P(2FX[!HB-\*(U4!+RD&)K;6NO  
MPR!?!>U"C`Q!786%)+<523W&Q\_PN !T %T+;\$Q5.\>[,68;\_\_>^]0+W \_9?]G  
M#V@?:2\_#1X-6,PR"('R<"T#(\$!;4TU44#K1\T ,3&6V<#00+D5\$5?Y=QO\_(  
M!&TOR7\_\*CW! ?M0\_\_T(0,,, -E!F ", -&4PSA6,,76<&&[\4%U9]F11,!&,[P`  
MP0,T.C4.D%">3<+(VN=6D=0-:VL`<%\$'0'I 9XFP8P0`<'HN!!MWJ\_;45;E  
MV\U\$];>@:V\$'+N40!@`#<+0!\_P.!P.,\*=K\*\_UG^TW[7F"H48(#P\B%-6<\$%4  
M5"O.P<[ +C0@;0,@/CXKZNC\$BYL`';L6TU%'%-304=%+E18]E3L4@\*000.@  
M!) #8 7 \_Q=PS1\$",+A1%W!ZT+;! /7)^=#'0MJ>X@>'Q"U 7(&G\_`B#E0+9@  
M\$X %L,7%MK:V@?%\%H (P"W&X48!1\6\*W]]50]S&@[FJ1`'0#UH(1Q\*F\=@A]  
M`#Y<`#`! 0`''''',`\$1 !`''''P" \$/\_][ ]`<P0%^3;\_1\*P@% ``@P  
M0%^3;\_1\*P@\$+`"" &`''''#`''''1@`''''#A0`''''',`H (  
M( 8`''''',`''''!&`''''! "%`''''P`% @ @!@`''''P`''''  
M`\$8`''''4H4`'+<-`''>`"6`"" &`''''#`''''1@`''''!4A0`''0`'  
M`'0`''X+C`'P`F@ @ @!@`''''P`''''\$8`''''84`'''''+`" ^  
M`"" &`''''#`''''1@`'''.A0`''''',,( ( ( 8`''''',`''''  
M`!&`''''!&%`''''P`R@ @ @!@`''''P`''''\$8`''''&(4`''''  
M`''>`\$&`"" &`''''#`''''1@`''''VA0`''0`'\$`''''!@!"  
M@ @ @!@`''''P`''''\$8`''''-X4`'\$`''''!`''''!X`0X (( 8`'  
M`''''',`''''!&`''''#B%`''''!`''''0`''''>`#T`'0`''4`''!2  
113H@`''''',`#33]-P`'=LZ%  
,

end

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Date: Fri, 23 Aug 2002 17:42:51 -0500  
From: Lew Paceley <lew@paceley.com>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Cc: n0rc@arrl.net, Dave Benson <nn1g@earthlink.net>,  
netxqrp <netxqrp@mailman.qth.net>  
Subject: [133173] Obsidian Rock Mite Photos  
Message-ID: <002c01c24af6\$6a434940\$6501a8c0@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

I finally managed to package my Rock Mite and cobble together a \_very  
rocky\_ web page to display it. No more bare-naked Rock Mite for me,  
no sir!

My Rock Mite is packaged in a black anodized aluminum enclosure, hence the name Obsidian. I added an internal 9V battery and also a N7VE SWR bridge to complete the package. Steve, AA5TB, and I seem to have similiar tastes in Rock Mite packaging :-).

My html is rusty but try  
<http://www.paceley.com/rm>  
and see if it'll work for you.

Rod and Dave, I added links to your sites. Let me know if this is a problem.

Have fun!

72/73,  
\*Lew\*  
N5ZE

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End of QRP-L Digest 2656

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